

# Service Manual

## ORION



Video Cassette Recorder

**VH-200**

**VH-201**

**VH-555**

**VH-700**

**VH-1000**

**VH-3**

**Vol. 2**

**Block Diagrams**

**Schematic Diagrams**

**Replacement Parts List**

## SPECIFICATIONS

<b>Power Source:</b>	220V 50Hz
<b>Power Consumption:</b>	Approx. 43 watts
<b>Television System:</b>	CCIR: 625 lines, 50 fields PAL or SECAM/DDR colour signal
<b>Video Recording System:</b>	2 rotary heads, helical scanning system Luminance: FM azimuth recording Colour signal: converted subcarrier phase shift recording
<b>Audio Track:</b>	1 track
<b>Tape Format:</b>	Tape width 12.7 mm high density tape
<b>Tape Speed:</b>	23.39 mm/s
<b>Record/Playback Time:</b>	240 min. with E-240
<b>FF/REW Time:</b>	Less than 7.5 min. with E-240
<b>Heads:</b>	Video: 2 rotary heads Audio/Control: 1 stationary head
<b>Input Level:</b>	Erase: 1 full track erase Video: VIDEO IN connector (BNC) 1.0 Vp-p, 75 ohm unbalanced
<b>Output Level:</b>	Audio: LINE IN jack -20 dB, 100 kohm unbalanced Video: VIDEO OUT connector (BNC) 1.0 Vp-p, 75 ohm unbalanced
<b>Weight:</b>	Audio: LINE OUT jack -6 dB, 600 ohm unbalanced
<b>Dimensions:</b>	9.6 kg
<b>Accessory Supplied:</b>	430 (W) x 130 (H) x 350 (D) mm 1 pc. DIN-DIN coaxial cable,
<b>Optional Accessories:</b>	Video cassette tape: E-240 Approx. 344 m, 240 min. E-180 Approx. 258 m, 180 min. E-120 Approx. 174 m, 120 min. E-60 Approx. 88 m, 60 min.

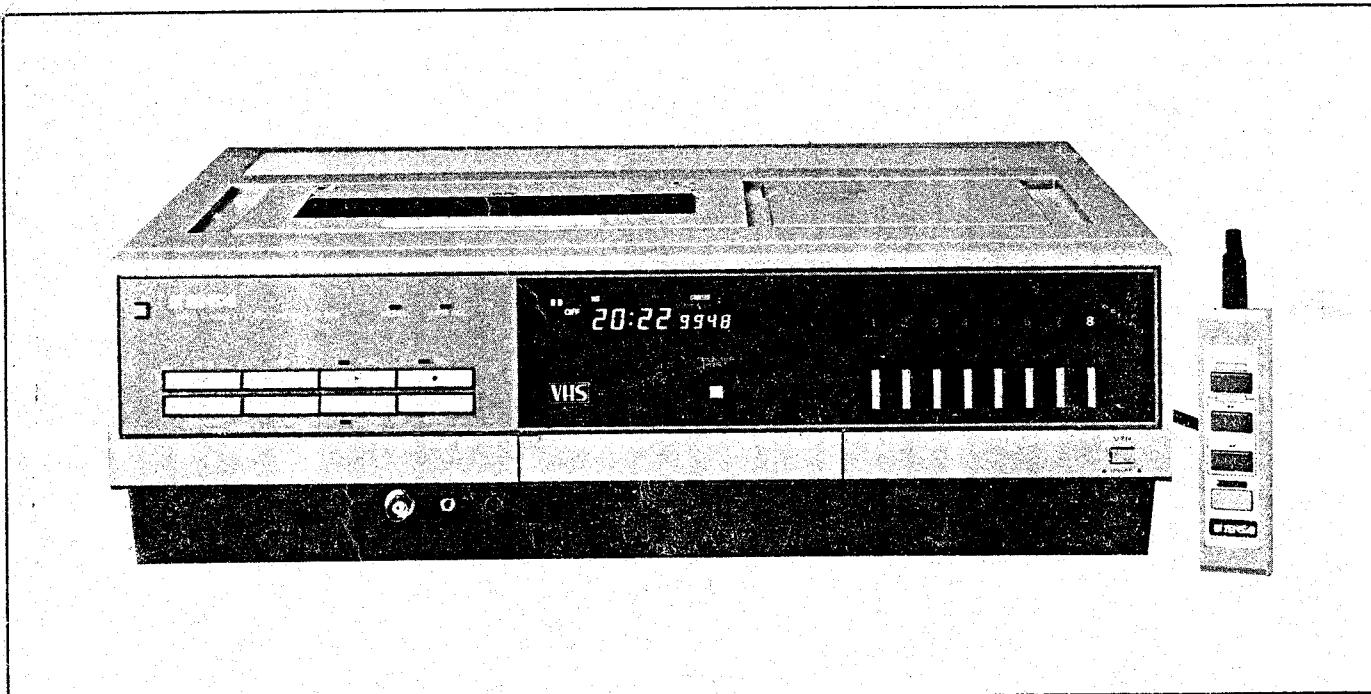
Maß- und Gewichtsangaben können geringfügig abweichen. Änderungen vorbehalten.

Bei technischen Änderungen werden Ergänzungsblätter nachgeliefert

# **TVR-950**

VIDEO CASSETTE RECORDER

**TENSAI**  
INTERNATIONAL



---

# **Service Manual**

---

## ADJUSTMENT

1. Set screw of guide roller should be screwed half tight, within the limit that the screw can turn without overstrain by guide roller adjusting minus (-) driver.
2. Trigger by SW pulse and observe envelope (Fig. 23).
3. Observing envelope, adjust guide roller height and let tape run on drum lead. If video tape is running above or below helical lead position, waveform shall appear as in Fig. 23 and 24.

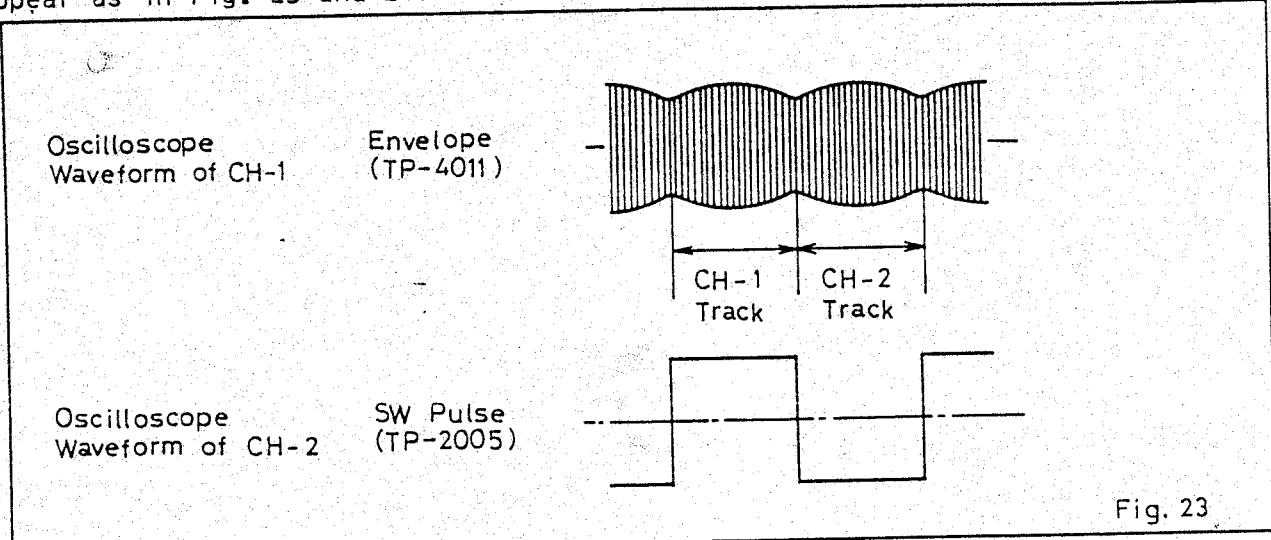


Fig. 23

a: Envelope waveform when video tape is above helical guide.

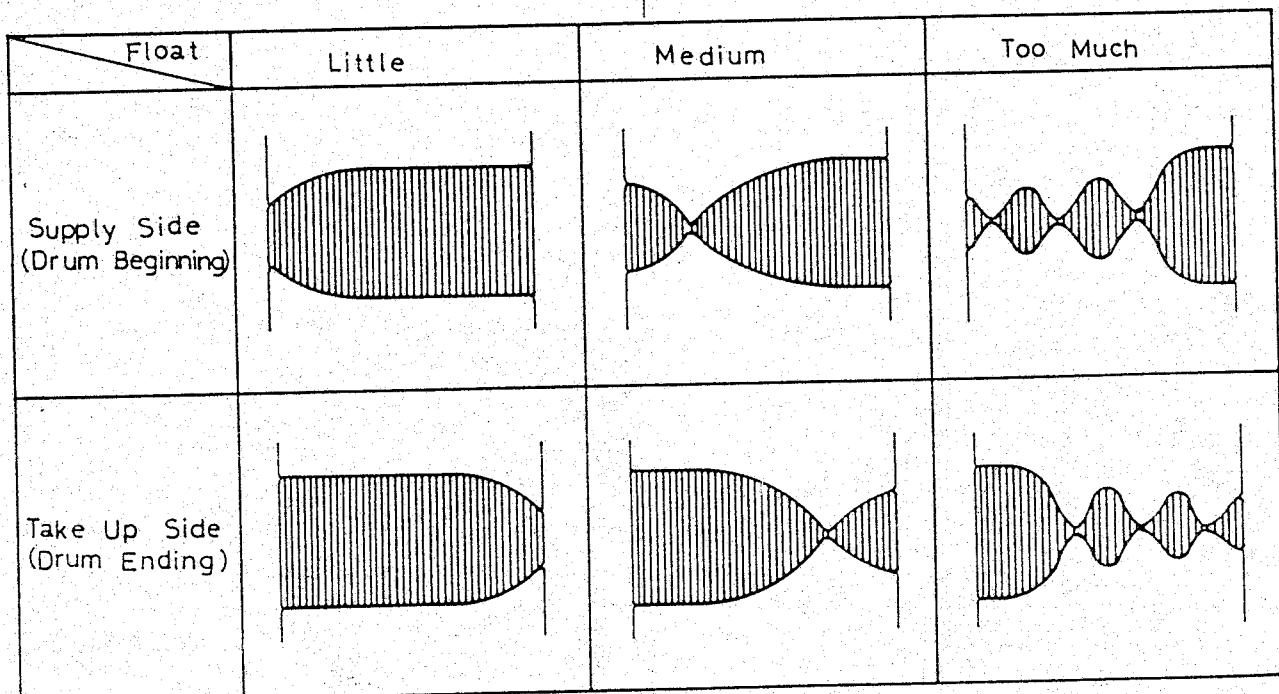


Fig. 24

:When video tape is too much downward of helical guide.

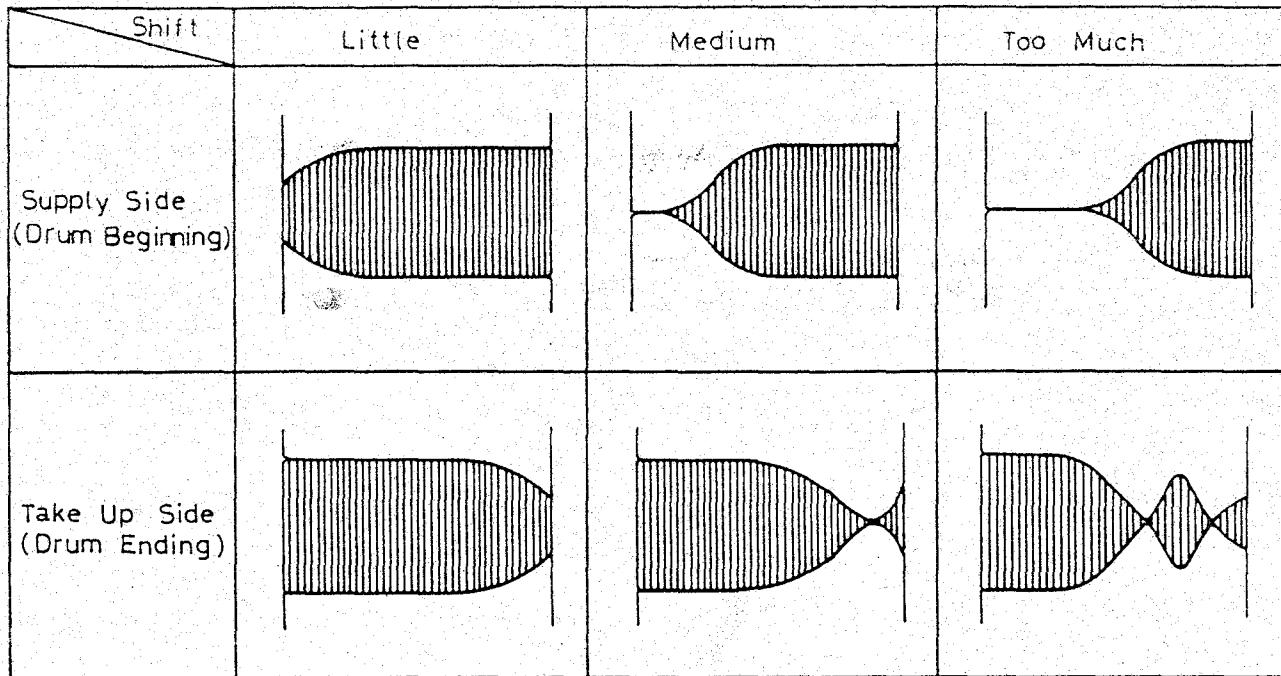


Fig. 25

- i. Adjust guide roller height observing envelope, and make envelope flat. Adjust the envelope so that the flatness may not be disturbed even tracking control knob is turned.
- i. When tracking control knob is turned, adjust envelope so that its A:B ratio should be improved than 10:7 at where RF waveform starts to reduce at A.
- i. Make adjustment of play SW point as per play SW point of electrical adjustment.
- i. Record color bar on self record and play back tape, and reproduce it to confirm envelope because flat.
- i. After completion of adjustment, set screw of guide roller should be tightened.
- i. After that, carry out confirmation of RF envelope.

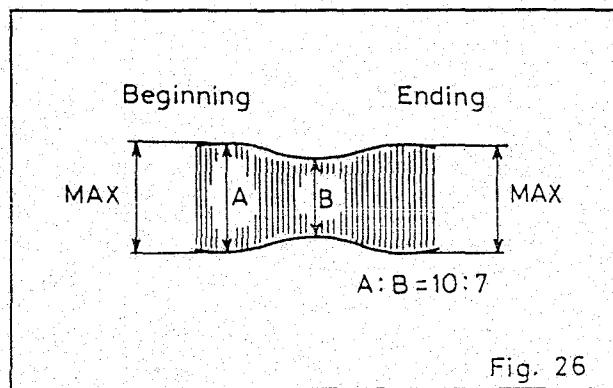


Fig. 26

ITEM	TITLE	PROCEDURE	REMARKS
I-5		<u>CREASE CONFIRMATION AT T-SIDE FIXED GUIDE(P4 POST)</u>	

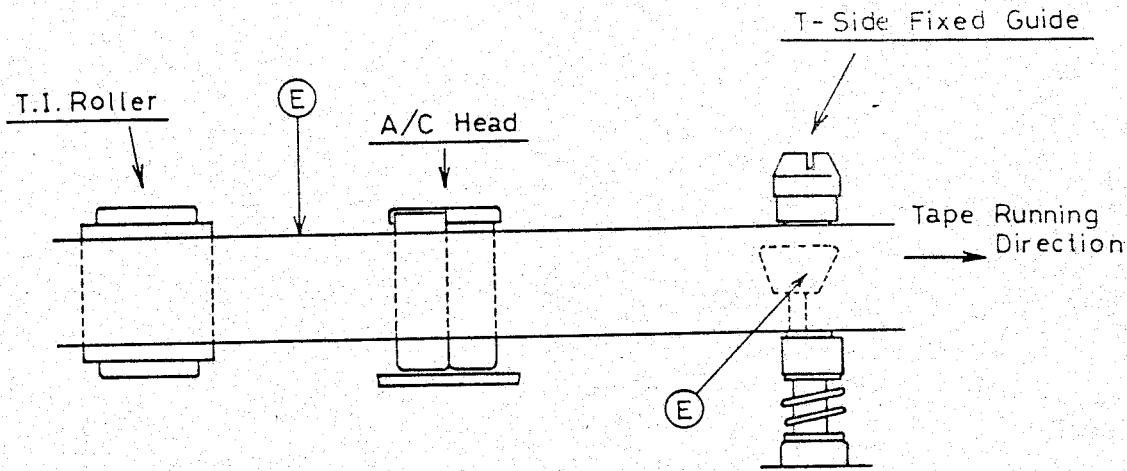


Fig. 7 T-Side Running System

When tape is running as Fig. 7, project shadow of Control Head Phase Adjustment Screw on F position and see if the image of the screw is distorted or not (to see if there is crease on tape). If there is crease on tape, adjust screw placed behind A/C Head. When you do this, never move Fixed Guide. (Once you adjust height of Fixed Guide by jig, be sure never move it.) This crease adjustment on Fixed Guide is called Adjustment of Tilt of A/C Head.

If you make this adjustment of Tilt of A/C Head, audio azimuth adjustment slips without fail. In such occasion, do not fail to re-adjust it.

In normal tape running, confirm that there is no crease made at E portion. If any crease is seen here, check and see tape running at T-side Guide Roller and T-side Fixed Guide again.

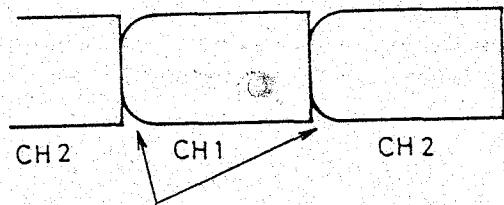
## ITEM TITLE

## PROCEDURE

## REMARKS

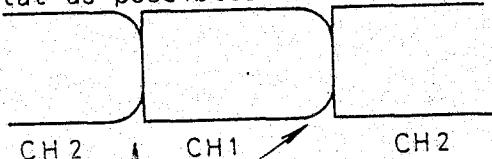
I FM ENVELOPE  
ADJUSTMENT

Play back standard tape (VFM 81iNH3). Set tracking volume at center and adjust waveform of oscilloscope as follows. In former process, as Phase of Control Head is roughly adjusted, waveform becomes almost maximum with tracking volume center position.



(Symptom)  
Dropping at the begining of track

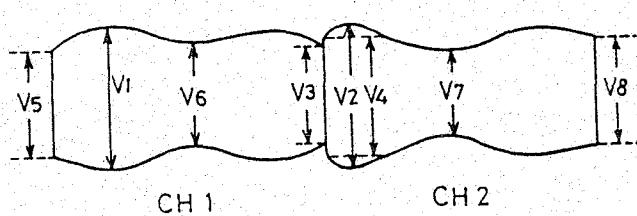
Adjust P2 post and make envelope as flat as possible.



(Symptom)  
Dropping at the end of track

Adjust P3 post and make envelope as flat as possible.

After making these adjustments, confirm the values of each level are within limits as below:



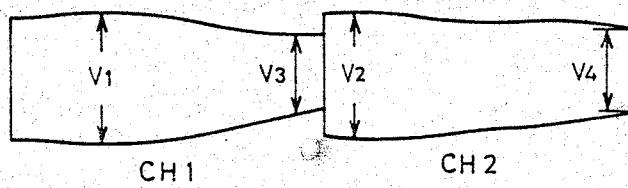
V1,V2 : Maximum  
V6,V7 : Center  
V5,V4 : Beginning of Track  
V3,V8 : End of Track

$$\left. \begin{array}{l} \frac{V_5}{V_1} \geq 0.7 \quad \frac{V_4}{V_2} \geq 0.7 \\ \frac{V_3}{V_1} \geq 0.7 \quad \frac{V_8}{V_2} \geq 0.7 \quad \frac{V_1}{V_2} \geq 0.9 \\ \frac{V_6}{V_1} \geq 0.8 \quad \frac{V_7}{V_2} \geq 0.8 \end{array} \right\}$$

(NOTE) Level variation of V1 and V2 must be within 10%.

ITEM	TITLE	PROCEDURE	REMARKS
------	-------	-----------	---------

After completion of adjustment with tracking volume at center position, turn the volume to left and measure flatness of envelope making it half level (CH1 and CH2).

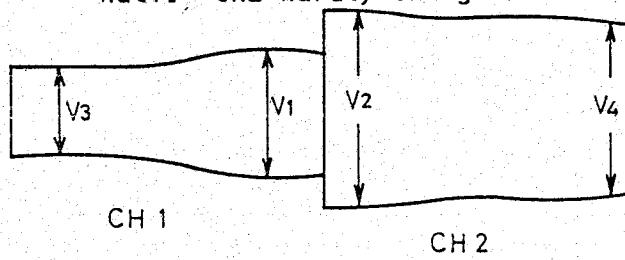


$$\frac{V_3}{V_1} \geq 0.5$$

$$\frac{V_4}{V_2} \geq 0.5$$

V1, V2 : Maximum  
V3, V4 : Minimum

Next, turn the volume to right and measure flatness as you did above. (In these case set CH1 level at half. CH2 hardly changes.)



V1, V2 : Maximum  
V3, V4 : Minimum

$$\frac{V_3}{V_1} \geq 0.5 \quad \frac{V_4}{V_2} \geq 0.5$$

If values go over limit in above two adjustments, make re-adjustment with tracking volume at center position.

After completion of above adjustments, set the volume back at center. Touch the top of Back Tension by finger and change its position, confirming that both beginning and ending of envelope do not drop sharp.

Next, set the apparatus at Search condition and confirm that waveform of both beginning and ending of envelope do not disappear.

ITEM	TITLE	PROCEDURE	REMARKS
III	ADJUSTMENT OF CONTROL HEAD PHASE	Play back Control Head Phase Adjustment tape (VFM81XVH3C). (FM Envelope)	
		<p>The diagram illustrates a 'Sound Envelope' waveform. Above it, two vertical double-headed arrows labeled <math>V_1</math> and <math>V_2</math> indicate tracking volume levels. Below the waveform, three horizontal bars labeled CH1 and CH2 represent different channels. Arrows point from the <math>V_1</math> and <math>V_2</math> labels to the corresponding tracking volume levels in the waveform.</p>	
		<p>True up the edges of envelope by tracking volume (At this time, tracking volume must come at center click).</p> <p>Turn Control Head Phase adjustment screw to where <math>V_1</math> and <math>V_2</math> becomes maximum. However, as there is range that can keep maximum as shown in picture below, set the screw at center of this range.</p> <p style="text-align: center;">Adjusting Point</p> <p><math>\alpha</math> : Ranges that can keep maximum level of envelope</p> <p>The diagram shows a circular adjustment screw with a central point. Dashed lines radiate from the center to form a circle. Two arcs on this circle are labeled with the Greek letter <math>\alpha</math>, representing the 'Ranges that can keep maximum level of envelope'.</p>	
IV	FN ENVELOPE ADJUSTMENT	Re-adjust envelope as indicated in item II.	
V	CONFIRMATION GUIDE ROLLER UPPER CONTROL	Confirm Upper Control as indicated in I-2 and I-3.	

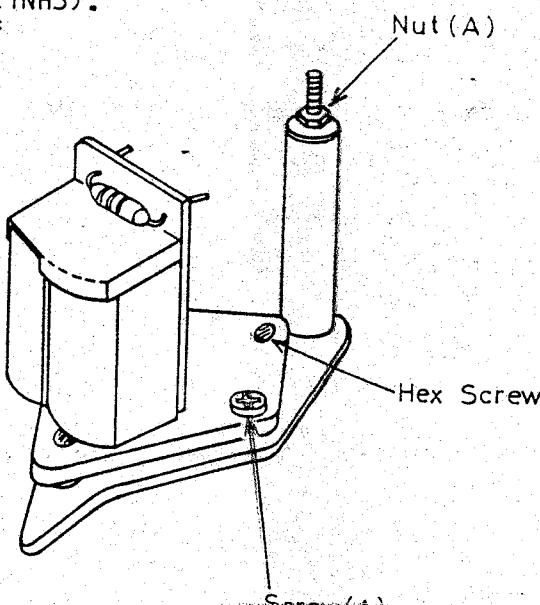
ITEM	TITLE	PROCEDURE	REMARKS
VI	A/C HEAD TILT ADJUST- MENT, LEVEL VERIATION & AZIMUTH ADJUSTMENT	<p>Play back standard tape (VFM8Linh3). After confirming the height of A/C Head is as shown in I-4, adjust Hex Screw and Azimuth Screw (A) satisfying the following conditions.</p> <p>(Condition 1) No crease, slack nor twist can be seen on tape running on T-side Fixed Guide (P4 post).</p> <p>(Condition 2) Level variation of Audio Output must be within 2db.</p> <p>(Condition 3) Audio Output must be maximum.</p> <p>(NOTE) If you can not avoid adjusting it drastically, be sure to confirm FM envelope after the adjustment.</p>	 <p>The diagram illustrates the A/C Head assembly. A vertical cylindrical component, labeled 'Hex Screw' and 'Screw (A)', is mounted on a base. A horizontal bar, labeled 'Nut (A)', is attached to the top of the screw. A tape path is shown running from left to right, passing over a fixed guide and being tensioned by the screw mechanism. Labels indicate the 'Hex Screw', 'Screw (A)', and 'Nut (A)'.</p>
VII	CONFIRMATION OF TAPE RUNNING SYSTEM	CHECK RUNNING SYSTEM AS SHOWN IN I.	

Fig.8 A/C Head

4-729

ITEM TITLE

PROCEDURE

REMARKS

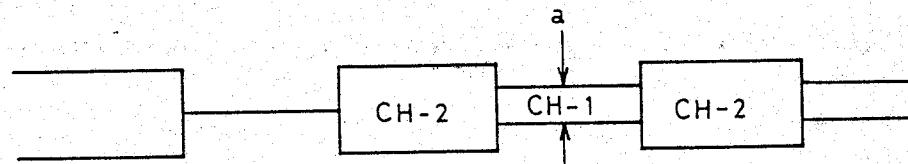
KNOW HOW\_1

ADJUSTMENT OF  
CONTROL HEAD  
PHASE

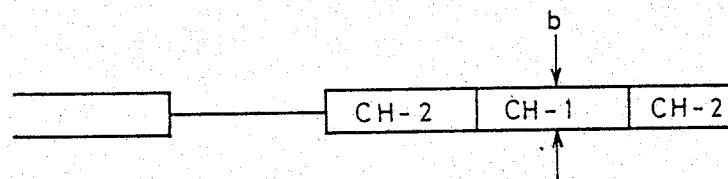
When you play back Control Head Phase Adjustment tape (VFM8LXVH3C) and adjust waveform to maximum with tracking volume at center position, it is very difficult to set adjustment screw to center click of the range that keeps maximum envelope. So, follow the instruction below to adjust.

Turn tracking volume to right fully.

FM Envelope

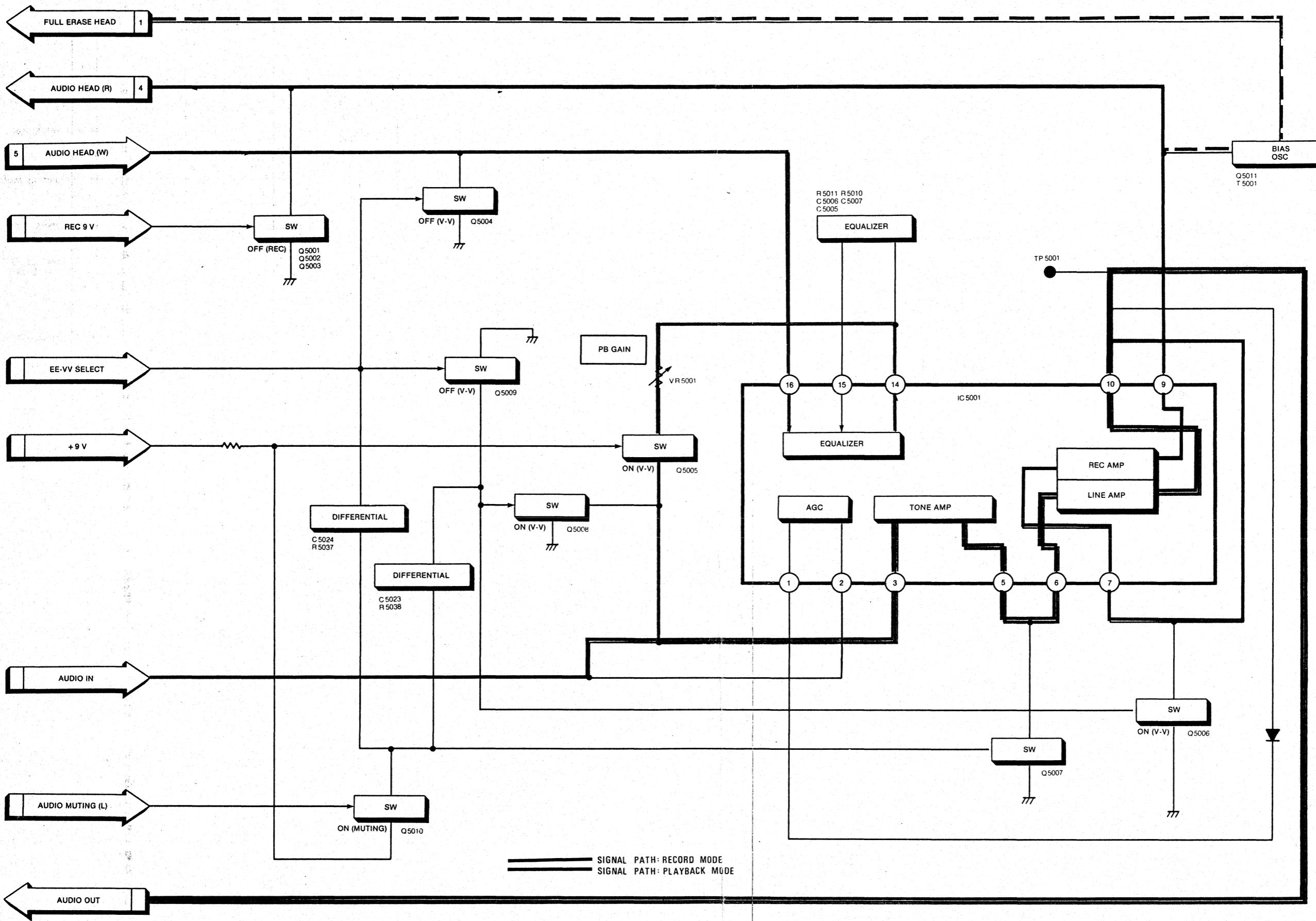


Turn tracking volume to left fully.

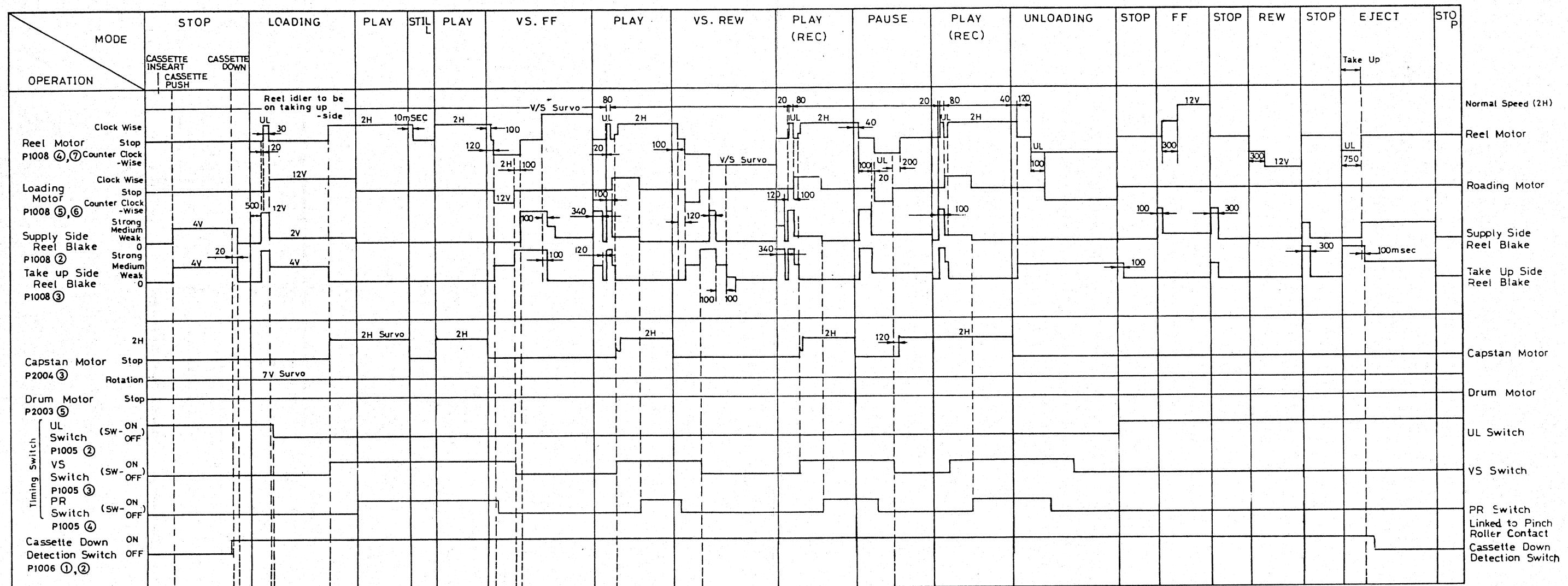


Adjust Control Head Phase Adjustment screw so that width of a and b of envelopes CH1, at the time tracking volume is turned to left and right as above figure, becomes nearly same.

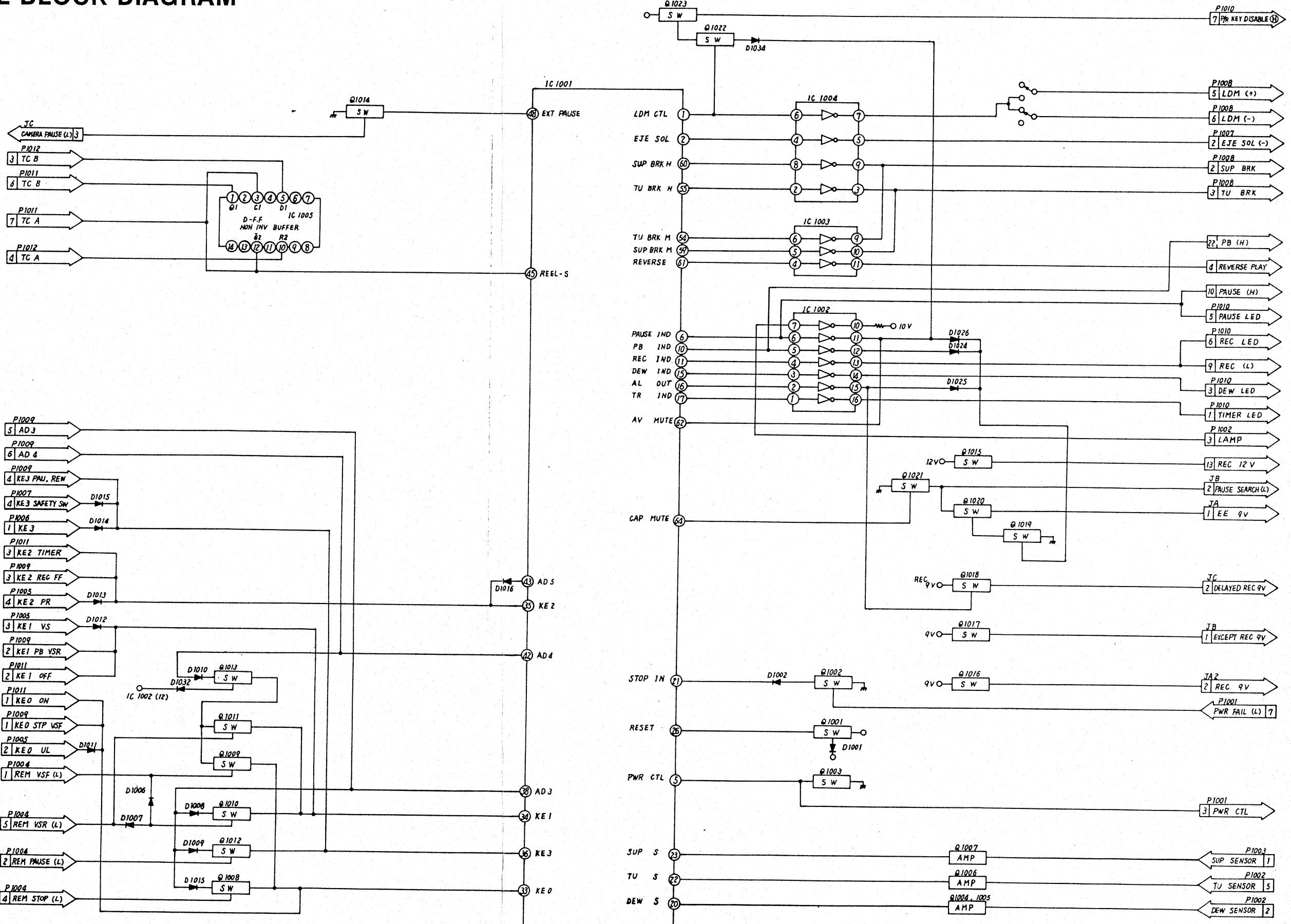
# AUDIO BLOCK DIAGRAM



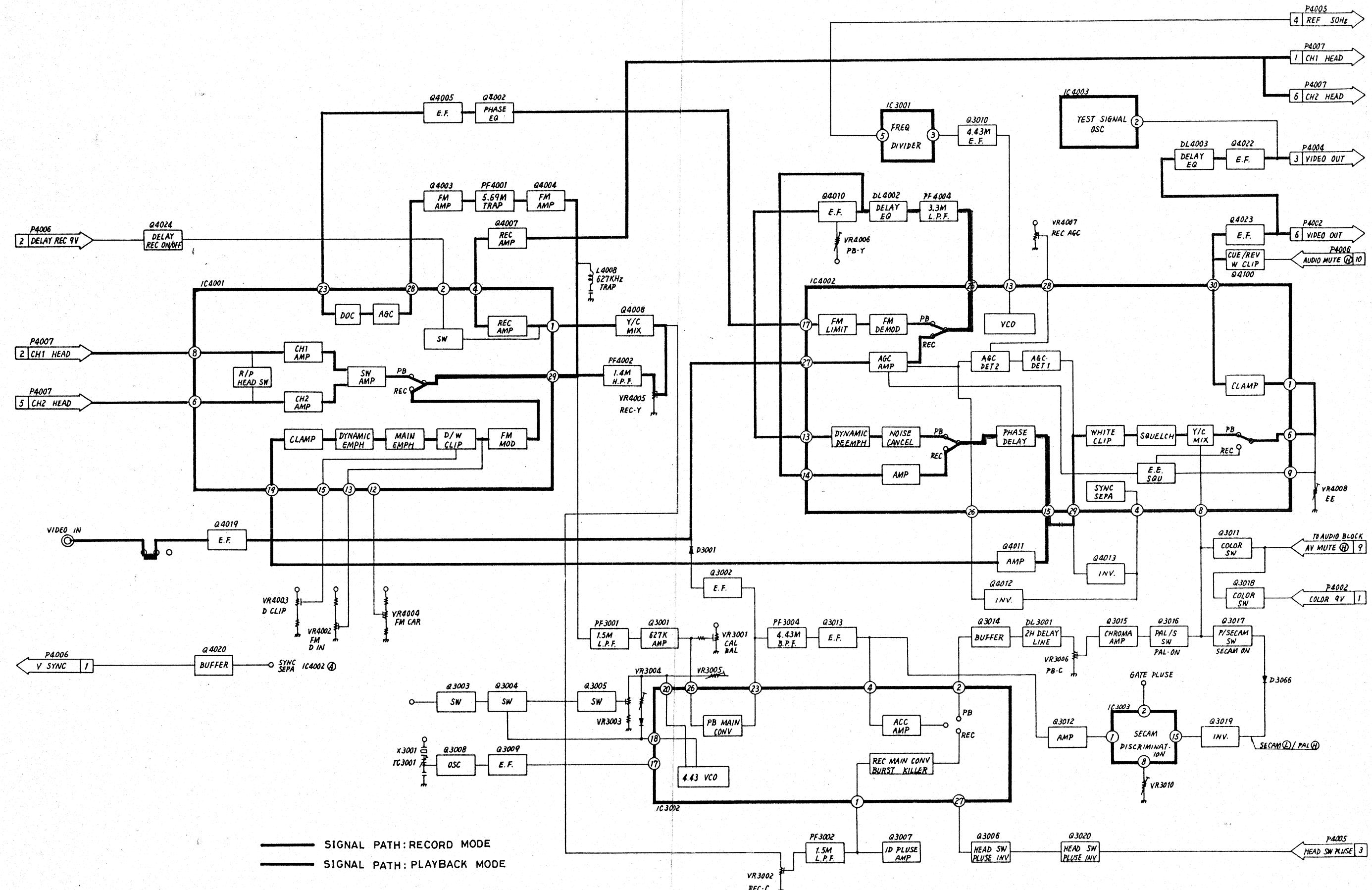
## **TIMING CHART**

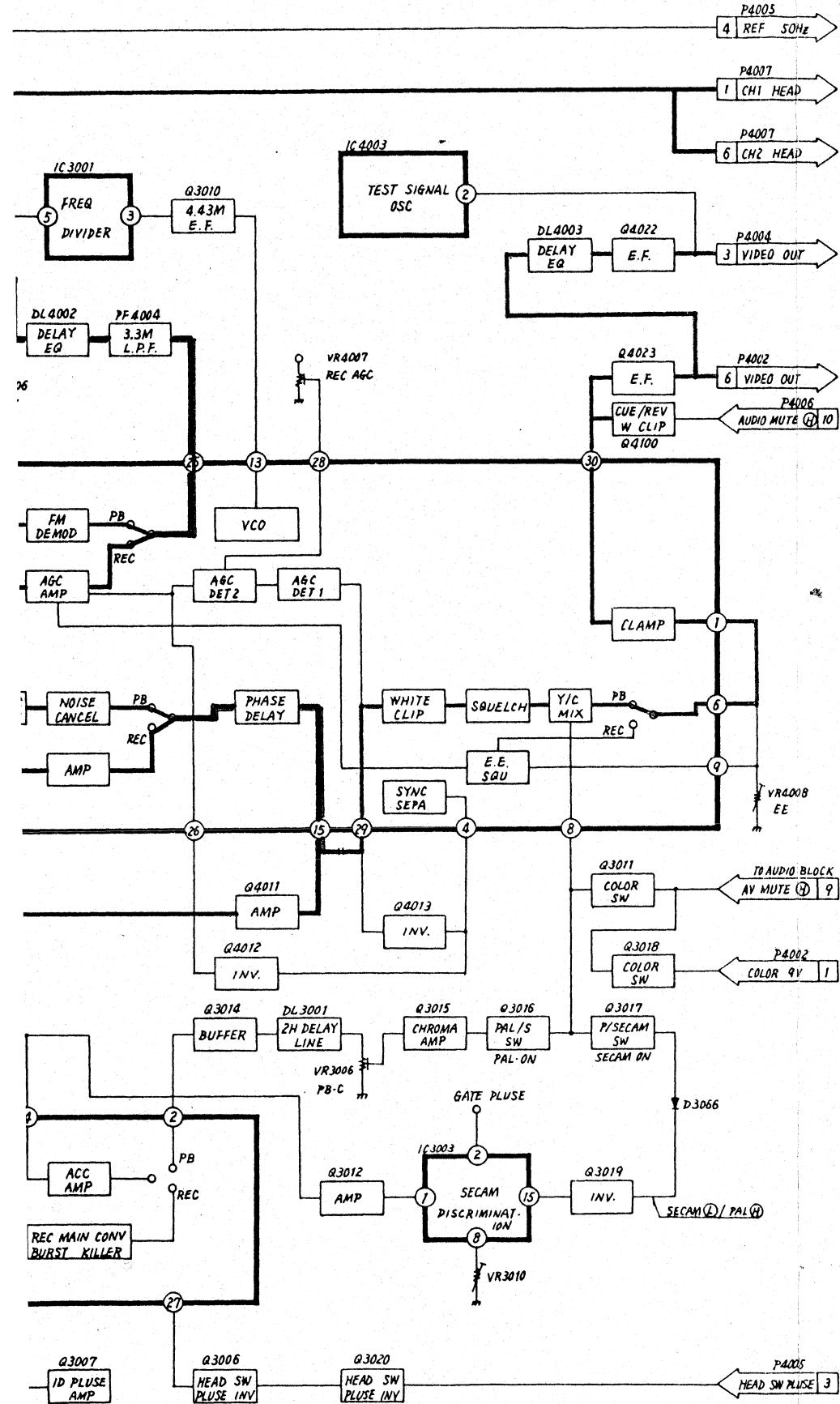


## **SYSTEM CONTROL BLOCK DIAGRAM**

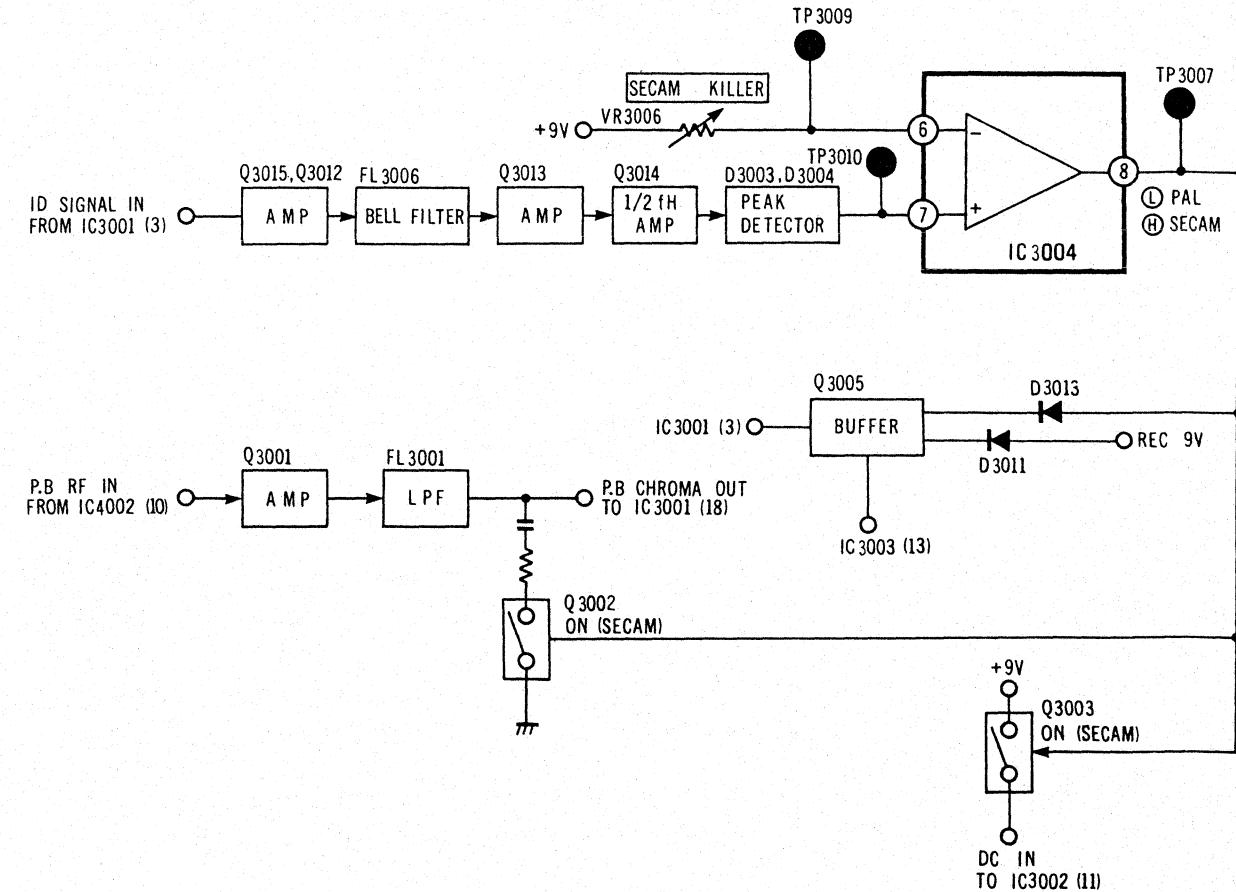


# LUMINANCE PROCESS BLOCK DIAGRAM

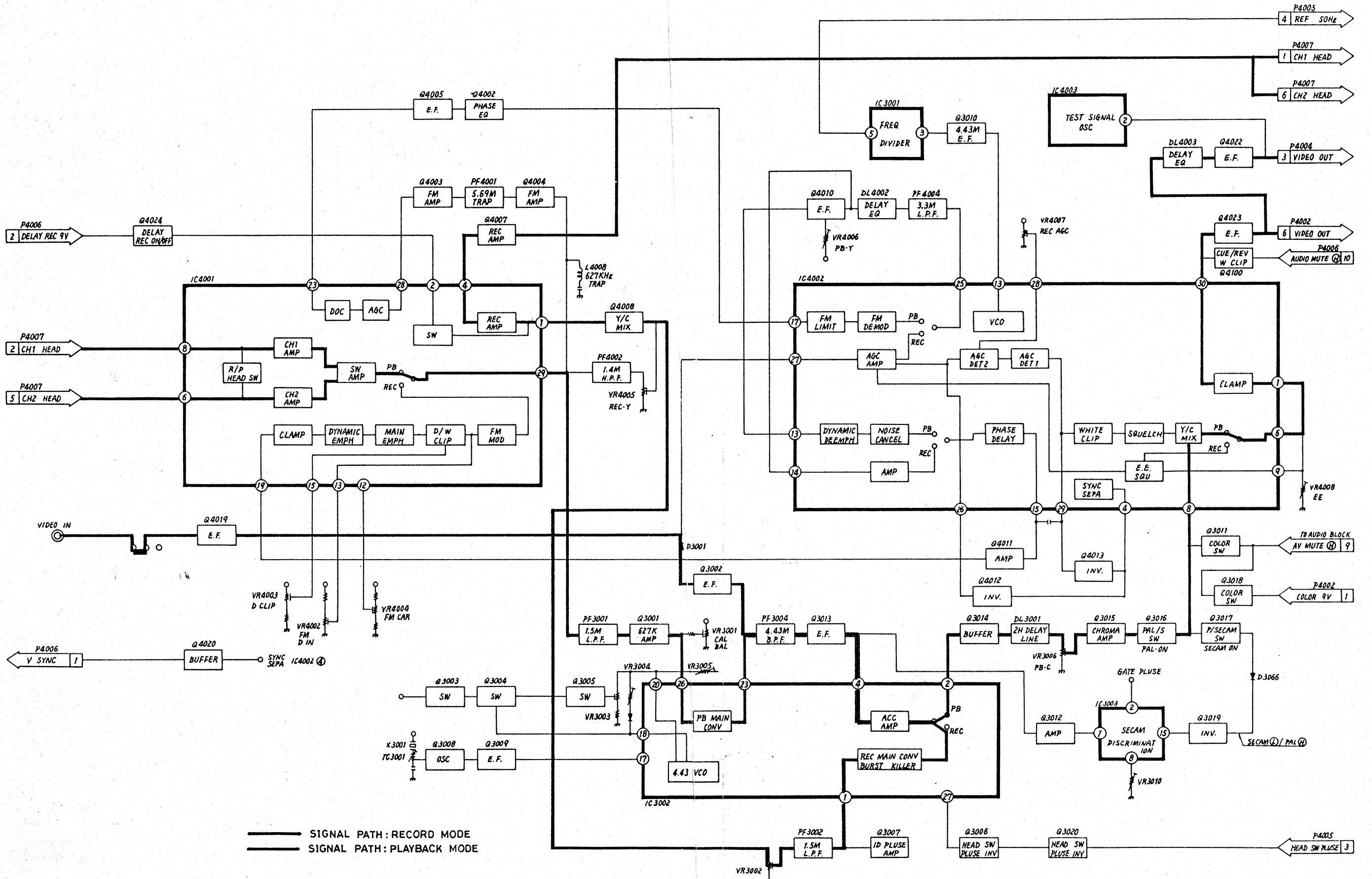




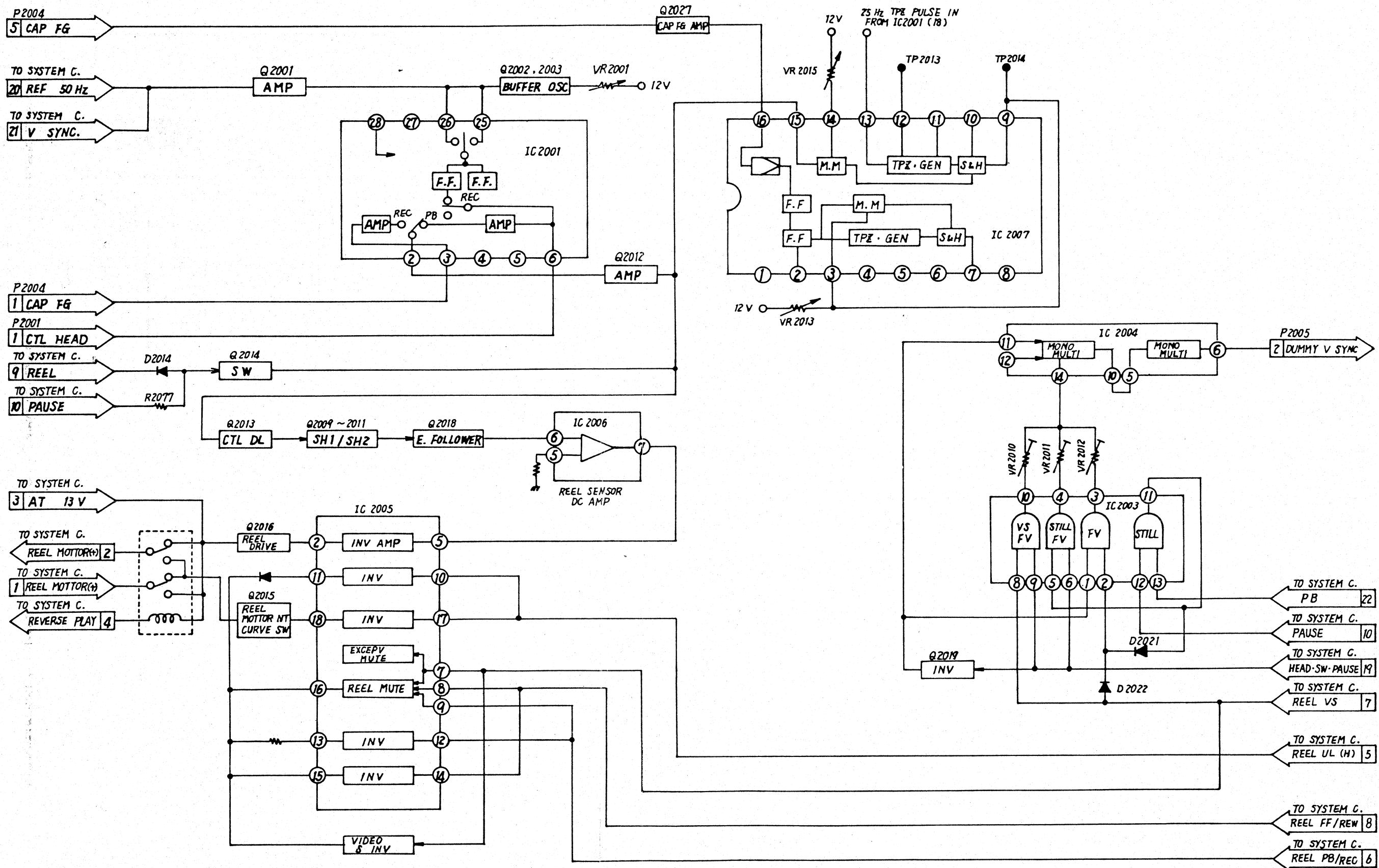
## SECAM KILLER BLOCK DIAGRAM



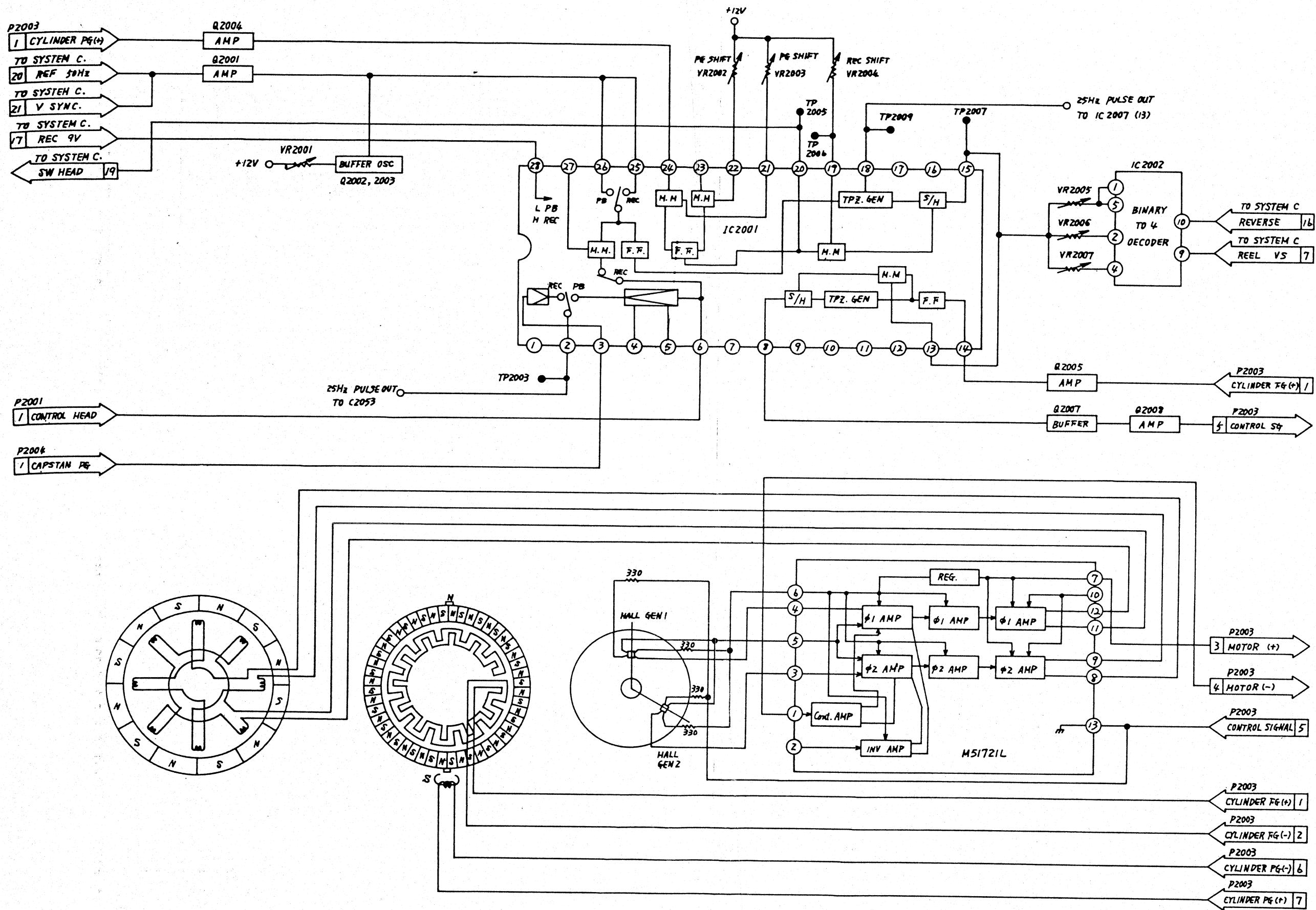
# CHROMINANCE PROCESS BLOCK DIAGRAM



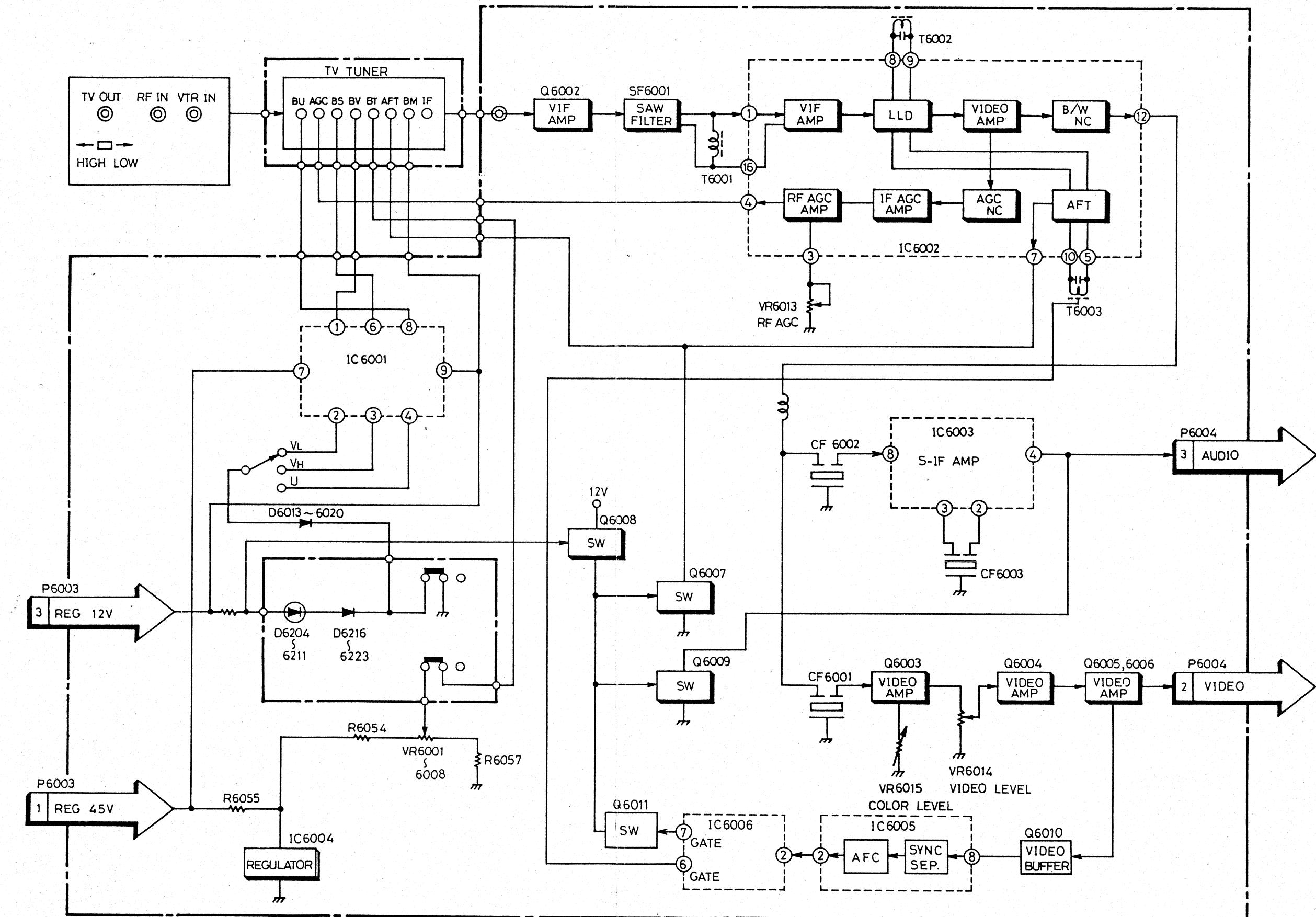
# CAPSTAN SERVO BLOCK DIAGRAM



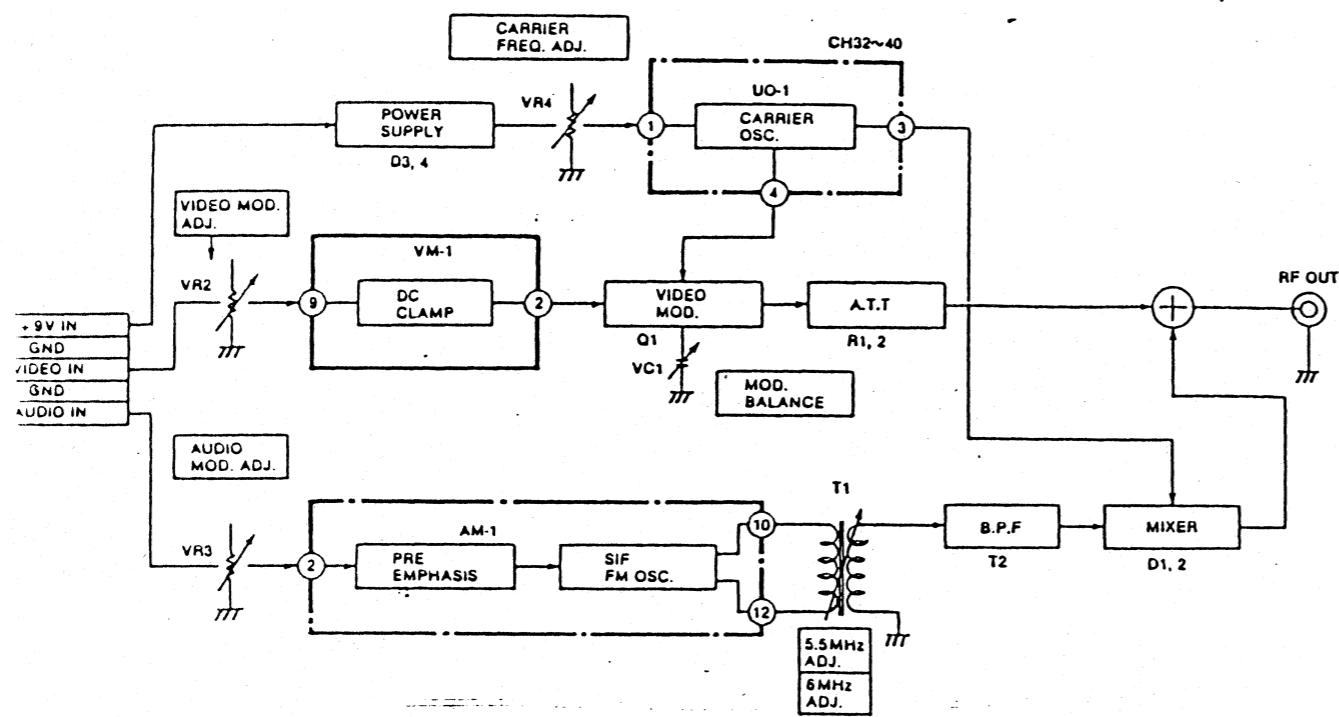
# **CYLINDER SERVO BLOCK DIAGRAM**



# TV DEMODULATOR BLOCK DIAGRAM



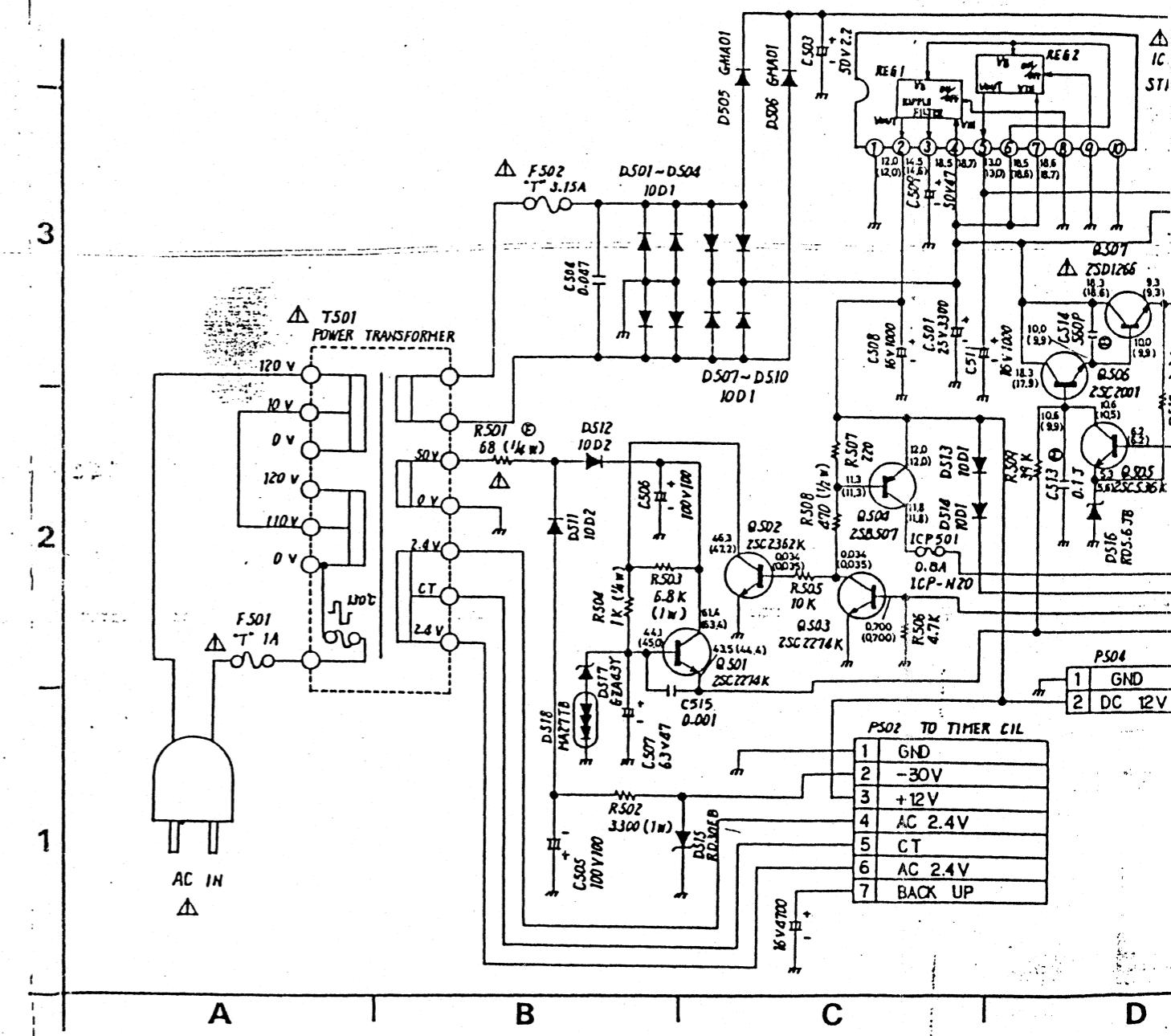
# RF CONVERTER BLOCK DIAGRAM (ENC17351/ENC17352/ENC17353)



PS01 (Power Supply C.B.A.)		
PIN NO.	SIGNAL NAME	DESTINATION
1	REC 12V	P1001-1 System Control & Servo Section
2	REC 10V	P1001-2
3	POWER ON (R)	P1001-3
4	REC 9.5V	P1001-4
5	REC 13V	P1001-5
6	UNREC 10V	P1001-6
7	POWER FAIL	P1001-7

PS02 (Power Supply C.B.A.)		
PIN NO.	SIGNAL NAME	DESTINATION
1	GND	PS02-1 Timer Control Section
2	-30V	PS02-2
3	+12V	PS02-3
4	AC 2.4V	PS02-4
5	CT	PS02-5
6	AC 2.4V	PS02-6
7	BACK UP	PS02-7

## POWER SUPPLY SCHEMATIC DIAGRAM

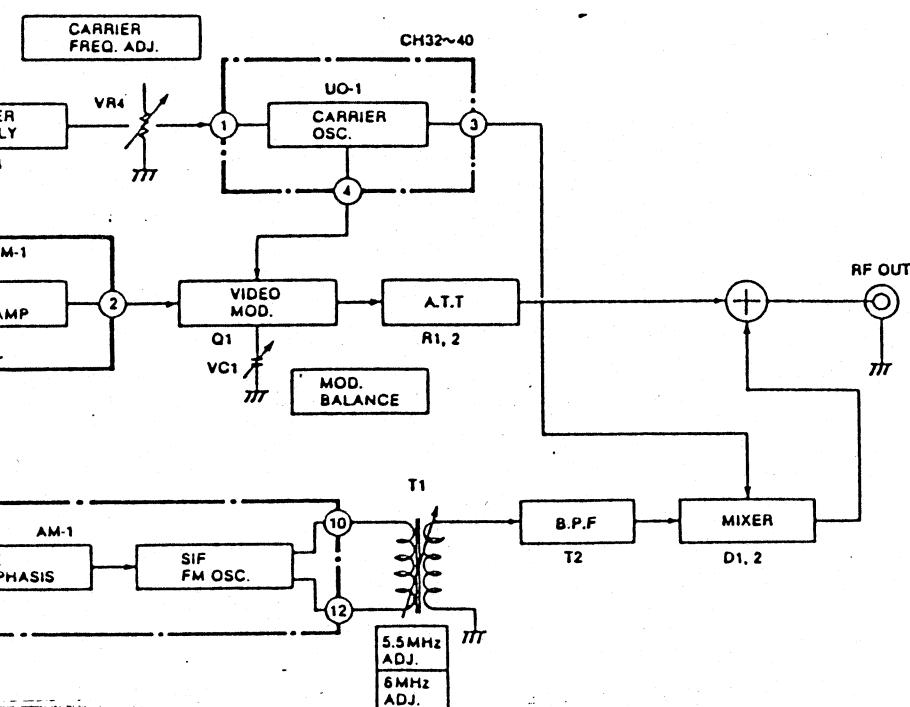


# BLOCK DIAGRAM NC17351/ENC17352/ENC17353)

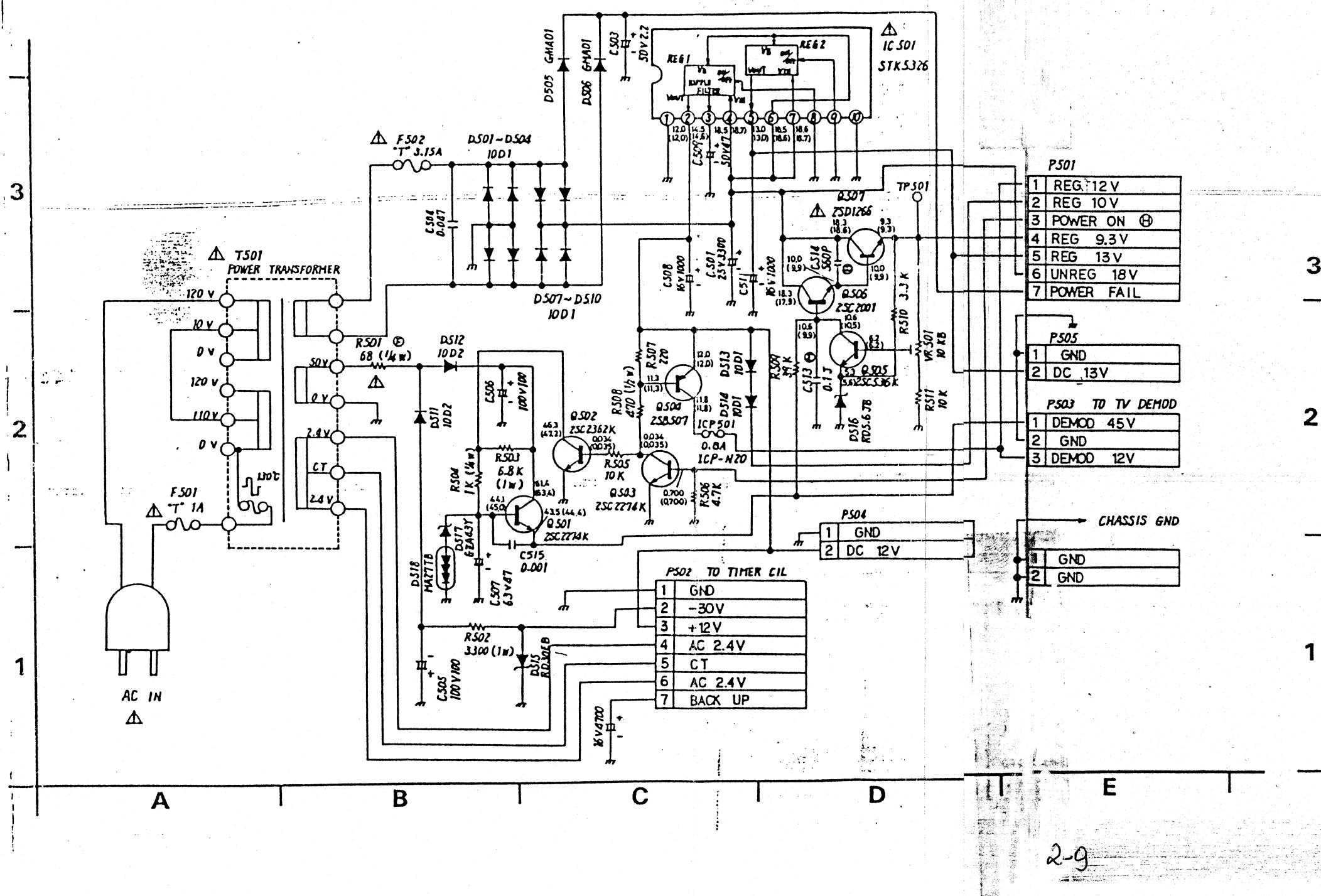
P501 (Power Supply C.B.A.)		
PIN NO.	SIGNAL NAME	DESTINATION
1	REG 12V	P1001-1 System Control & Servo Section
2	REG 10V	P1001-2
3	POWER ON (H)	P1001-3
4	REG 9.3V	P1001-4
5	REG 13V	P1001-5
6	UNREG 18V	P1001-6
7	POWER FAIL	P1001-7

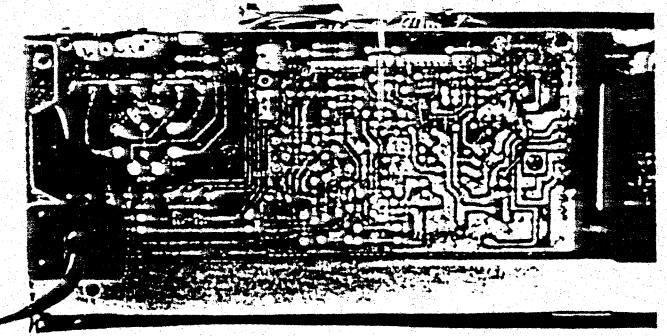
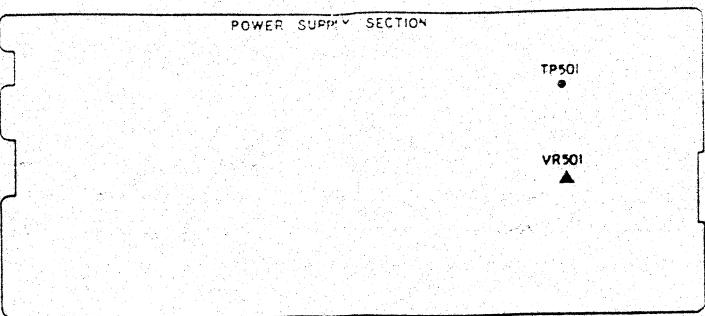
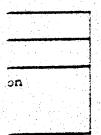
P502 (Power Supply C.B.A.)		
PIN NO.	SIGNAL NAME	DESTINATION
1	GND	P602-1 Timer Control Section
2	-30V	P602-2
3	+12V	P602-3
4	AC 2.4V	P602-4
5	CT	P602-5
6	AC 2.4V	P602-6
7	BACK UP	P602-7

P503 (Power Supply C.B.A.)		
PIN NO.	SIGNAL NAME	DESTINATION
1	DEM 9.45V	P6003-1 TV Demodulator Section
2	GND	P6003-2 "
3	DEM 9.12V	P6003-3 "

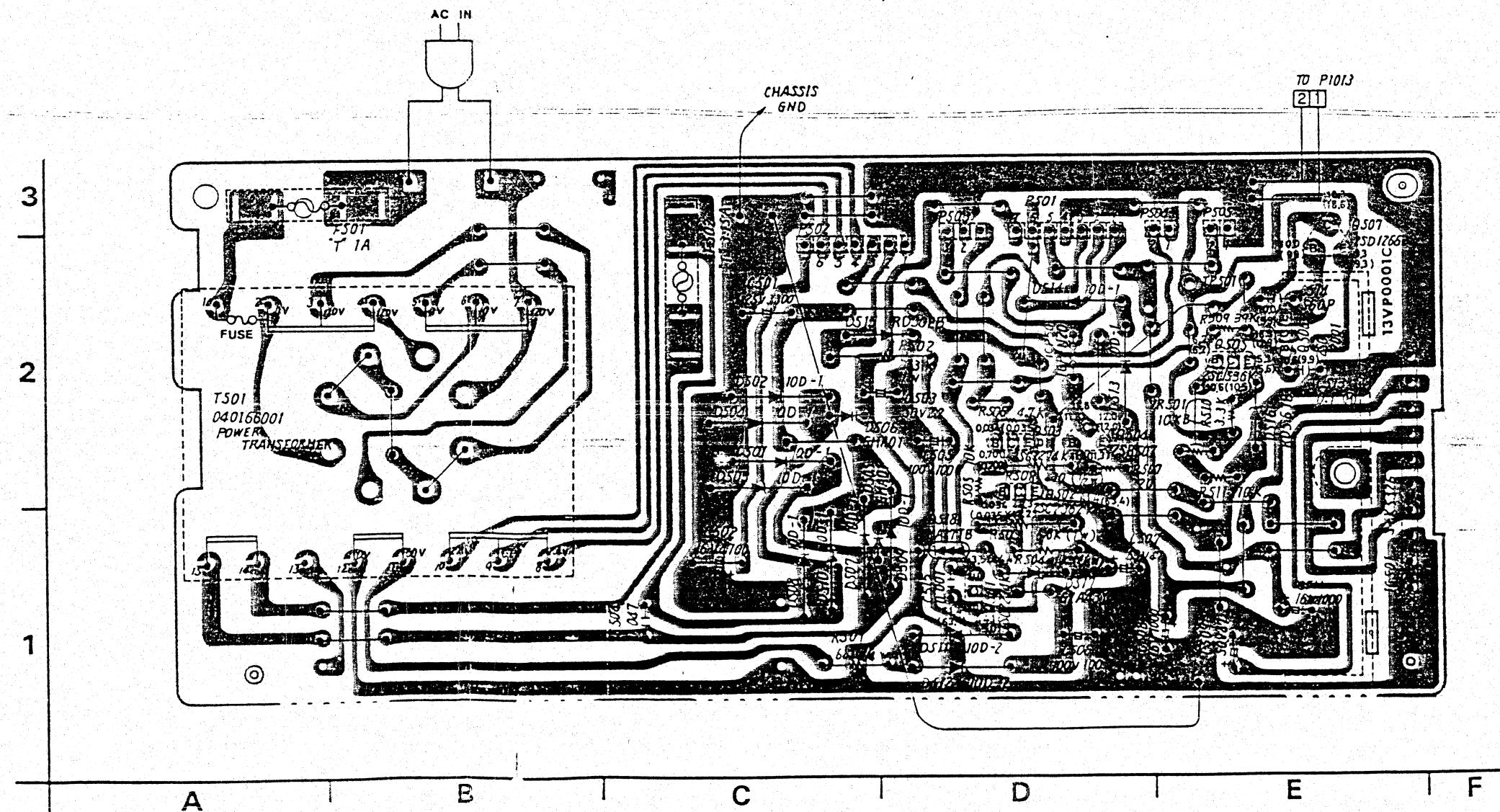


## POWER SUPPLY SCHEMATIC DIAGRAM



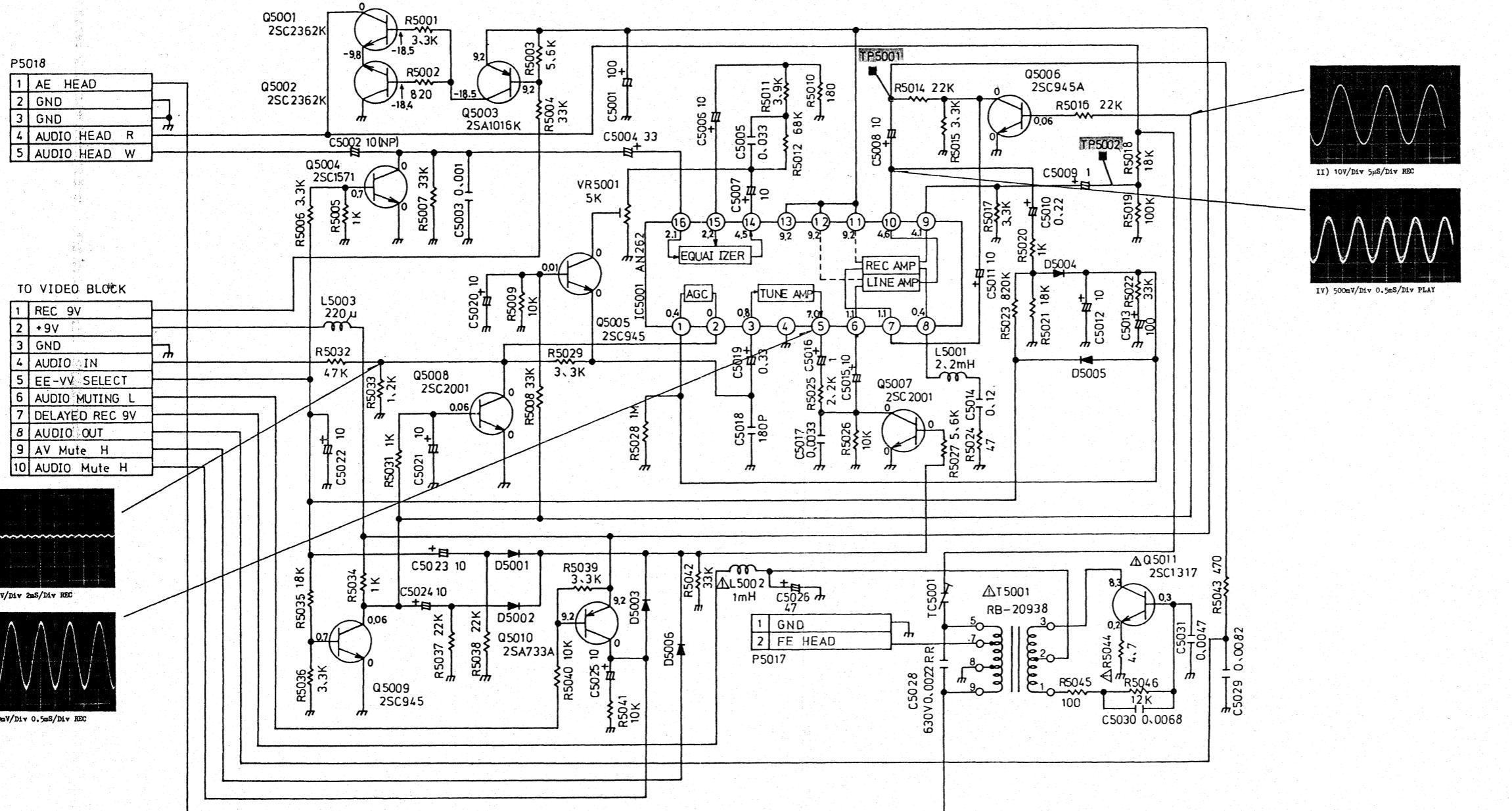


## POWER SUPPLY BOARD



## **AUDIO SCHEMATIC DIAGRAM**

## LUMINANCE/CHI



2-10

# LUMINANCE/CHROMINANCE & AUDIO BOARD

5

4

3

2

1

A

B

C

D

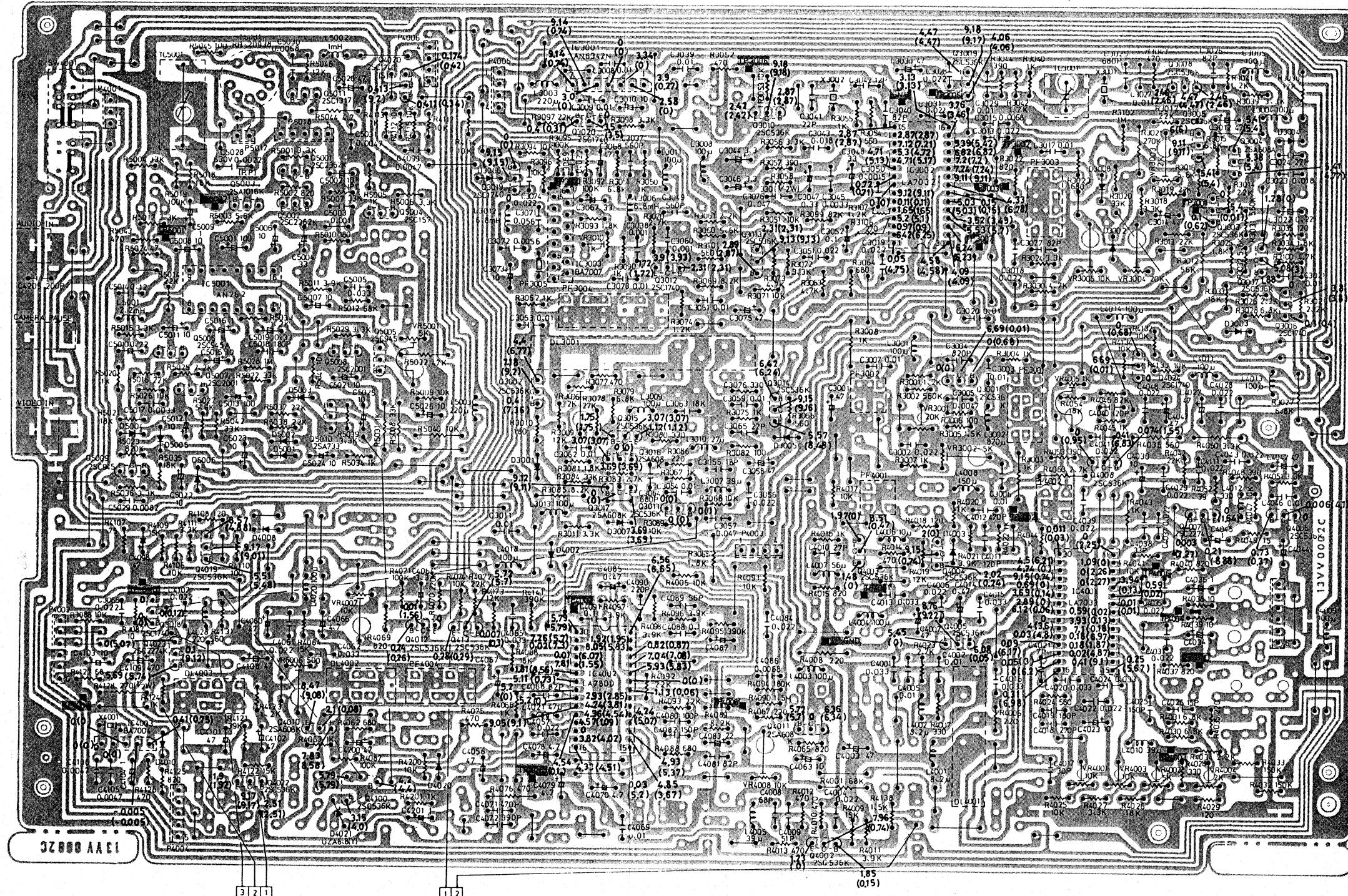
E

F

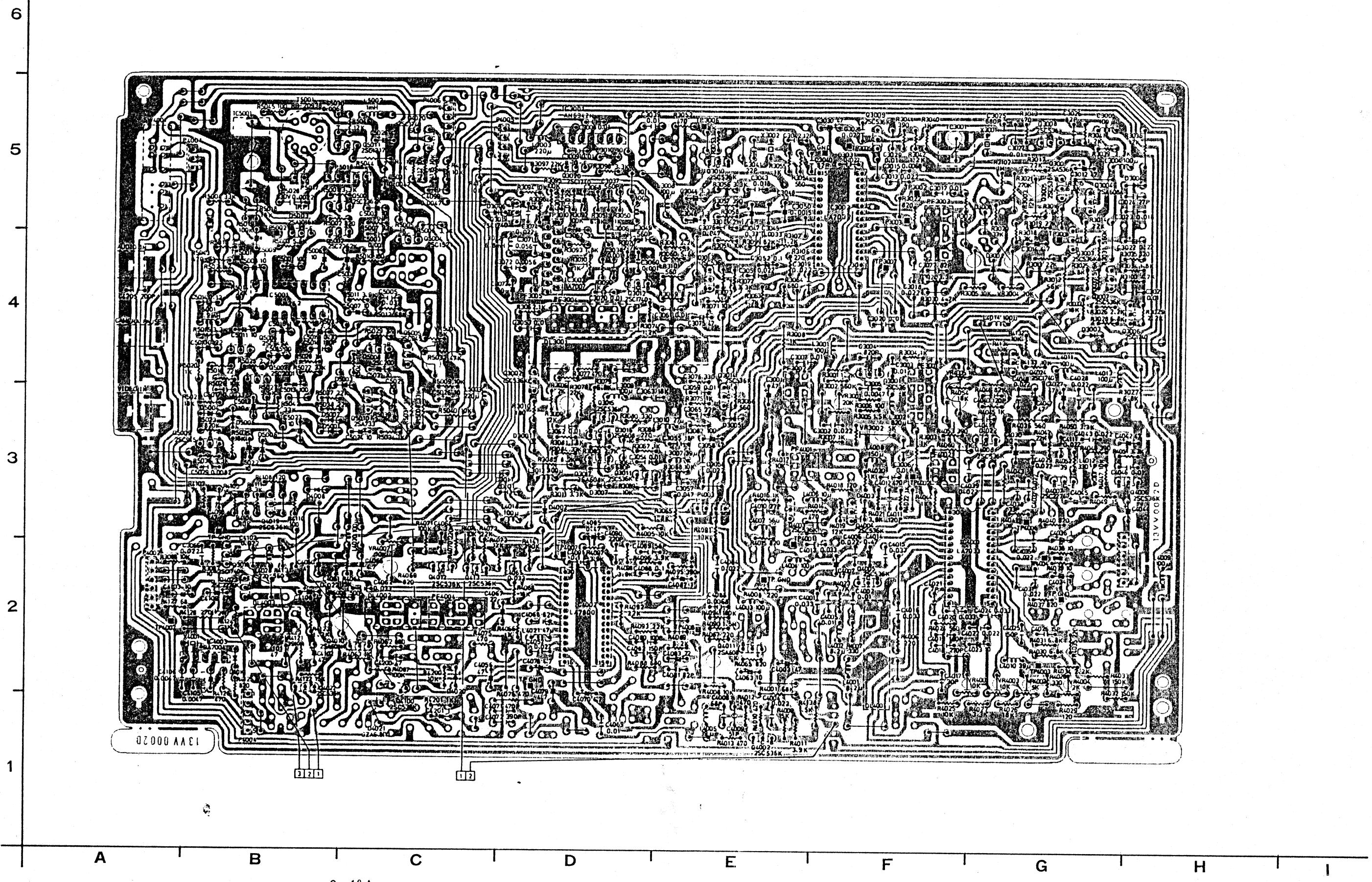
G

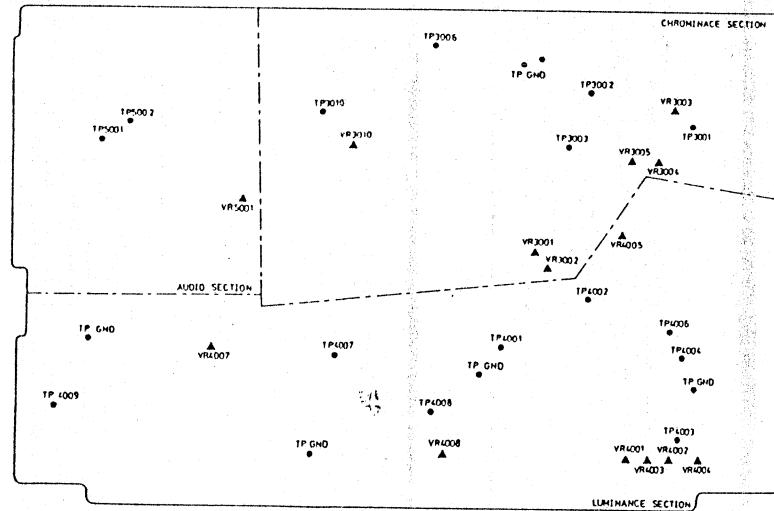
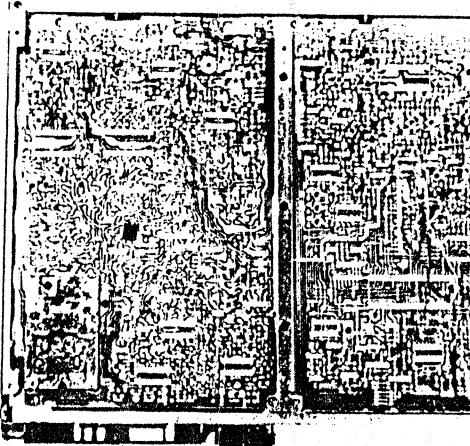
H

I



# LUMINANCE / CHROMINANCE & AUDIO BOARD





P4001 (Audio, Luminance & Chrominance C.B.A.)		
PIN NO.	SIGNAL NAME	DESTINATION
1	AUDIO IN	P6004-1 TV Demodulator Section
2	GND	P6004-2 "
3	VIDEO	P6004-3 "

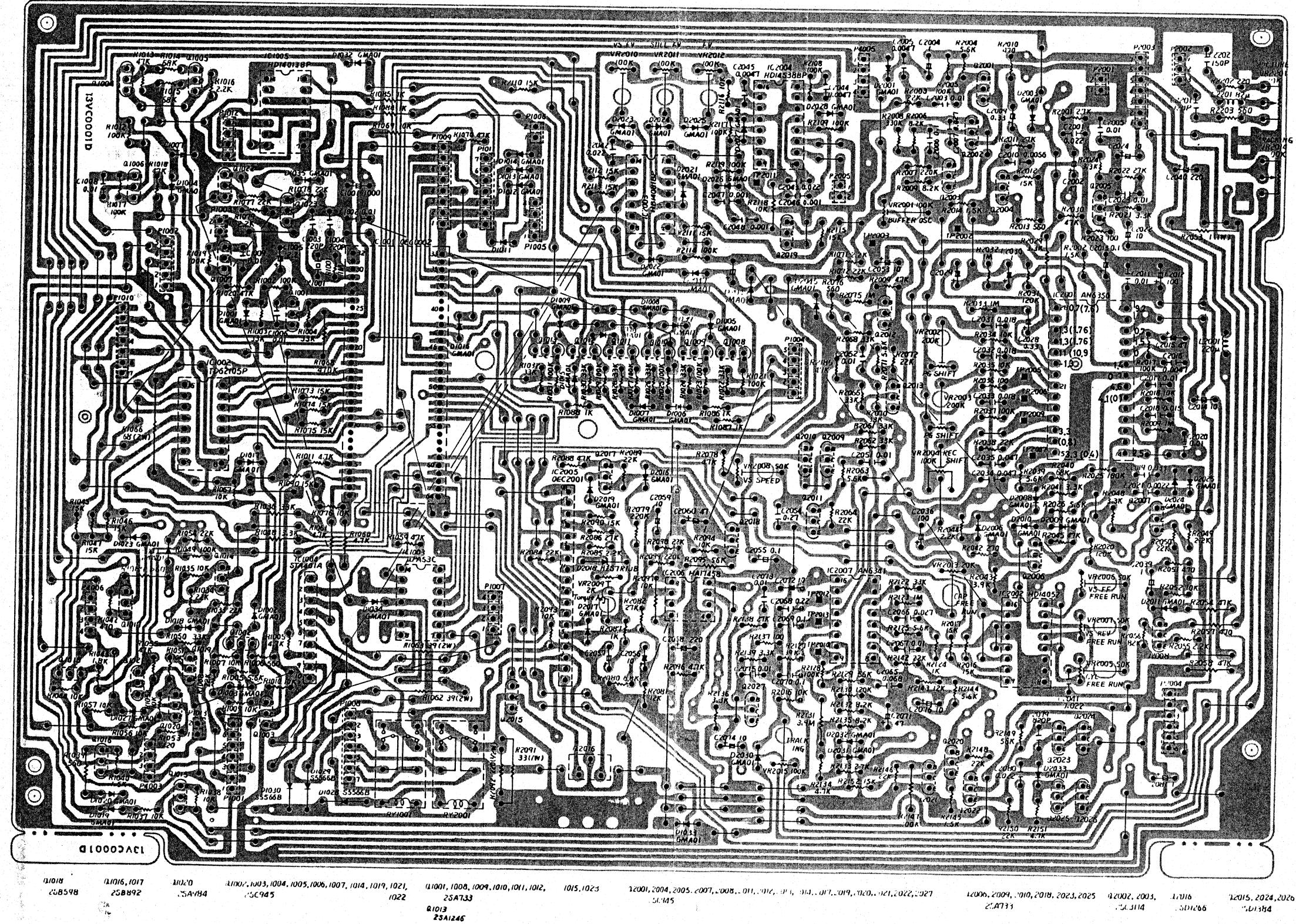
P4002 (Audio, Luminance & Chrominance C.B.A.)		
PIN NO.	SIGNAL NAME	DESTINATION
1	COLOR +9V	Output Jack Section
2	TEST SIG +9V	"
3	9V	"
4	AUDIO OUT	"
5	GND	"
6	VIDEO OUT	"

P4003 (Audio, Luminance & Chrominance C.B.A.)		
PIN NO.	SIGNAL NAME	DESTINATION
1	EE 9V	JA-1 System Control & Servo Section
2	REC 9V	JA-2 "
3	GND	JA-3 "
4	9V	JA-4 "

P4005 (Audio, Luminance & Chrominance C.B.A.)		
PIN NO.	SIGNAL NAME	DESTINATION
1	EXCEPT REC 9V	JB-1 System Control & Servo Section
2	SEARCH(L)	JB-2 "
3	SW PULSE	JB-3 "
4	REF 50Hz	JB-4 "

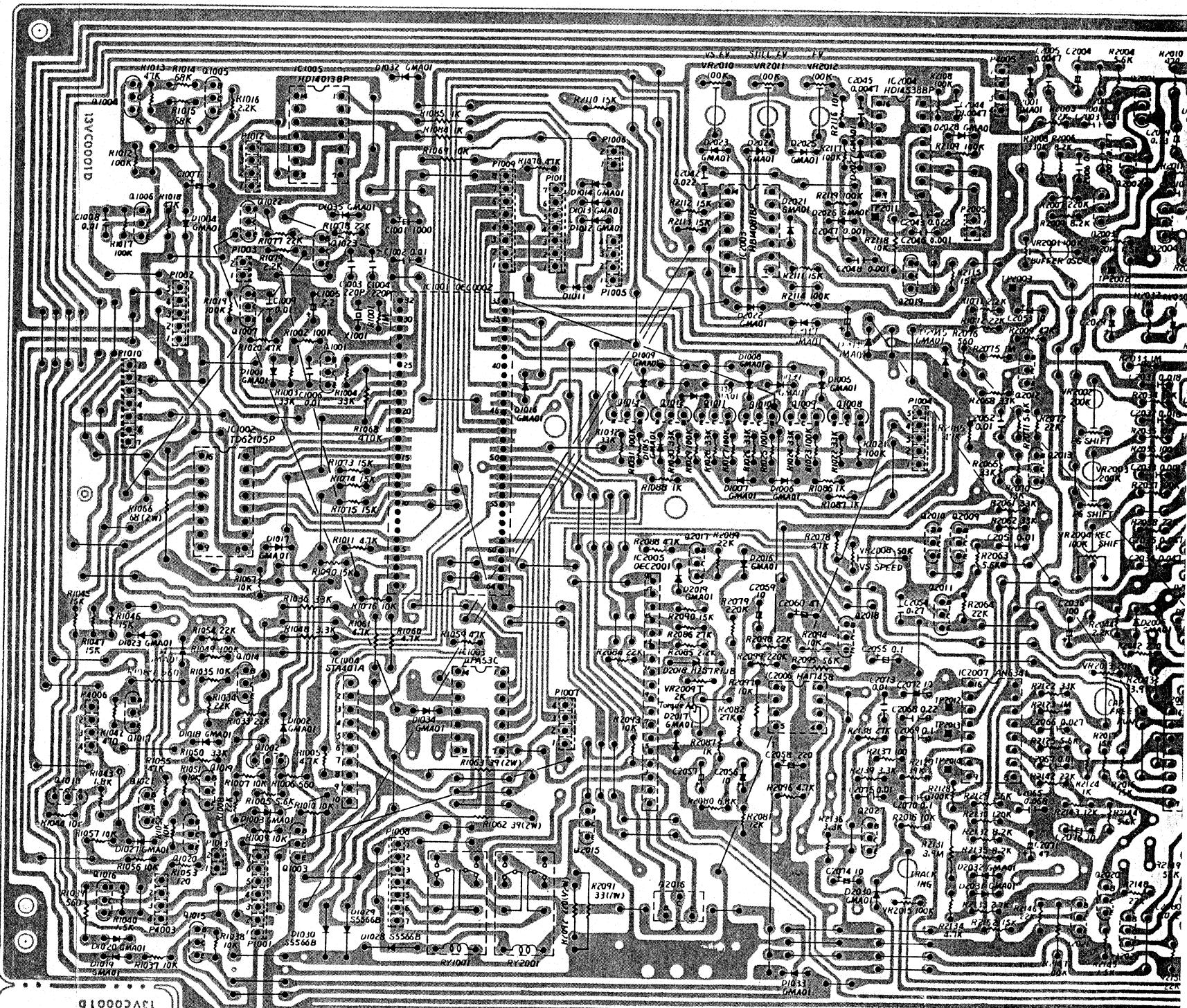
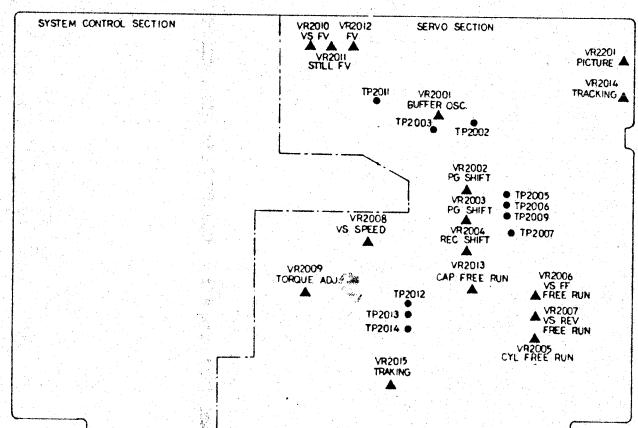
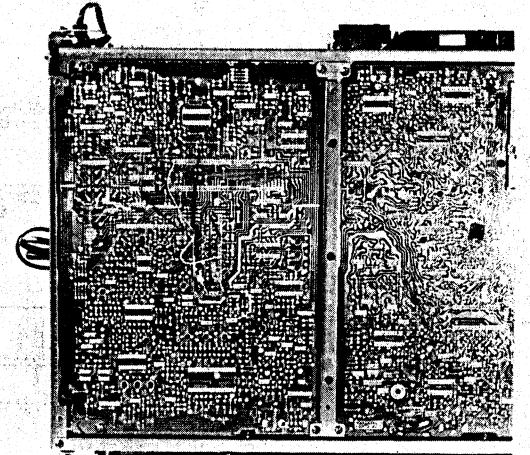
P4006 (Audio, Luminance & Chrominance C.B.A.)		
PIN NO.	SIGNAL NAME	DESTINATION
1	VSS	JC-1 System Control & Servo Section
2	DELAYED REC 9V	JC-2 "
3	CAMERA PAUSE	JC-3 "
4	AUDIO MUTING	JC-4 "

# **SYSTEM CONTROL & SERVO BOARD**



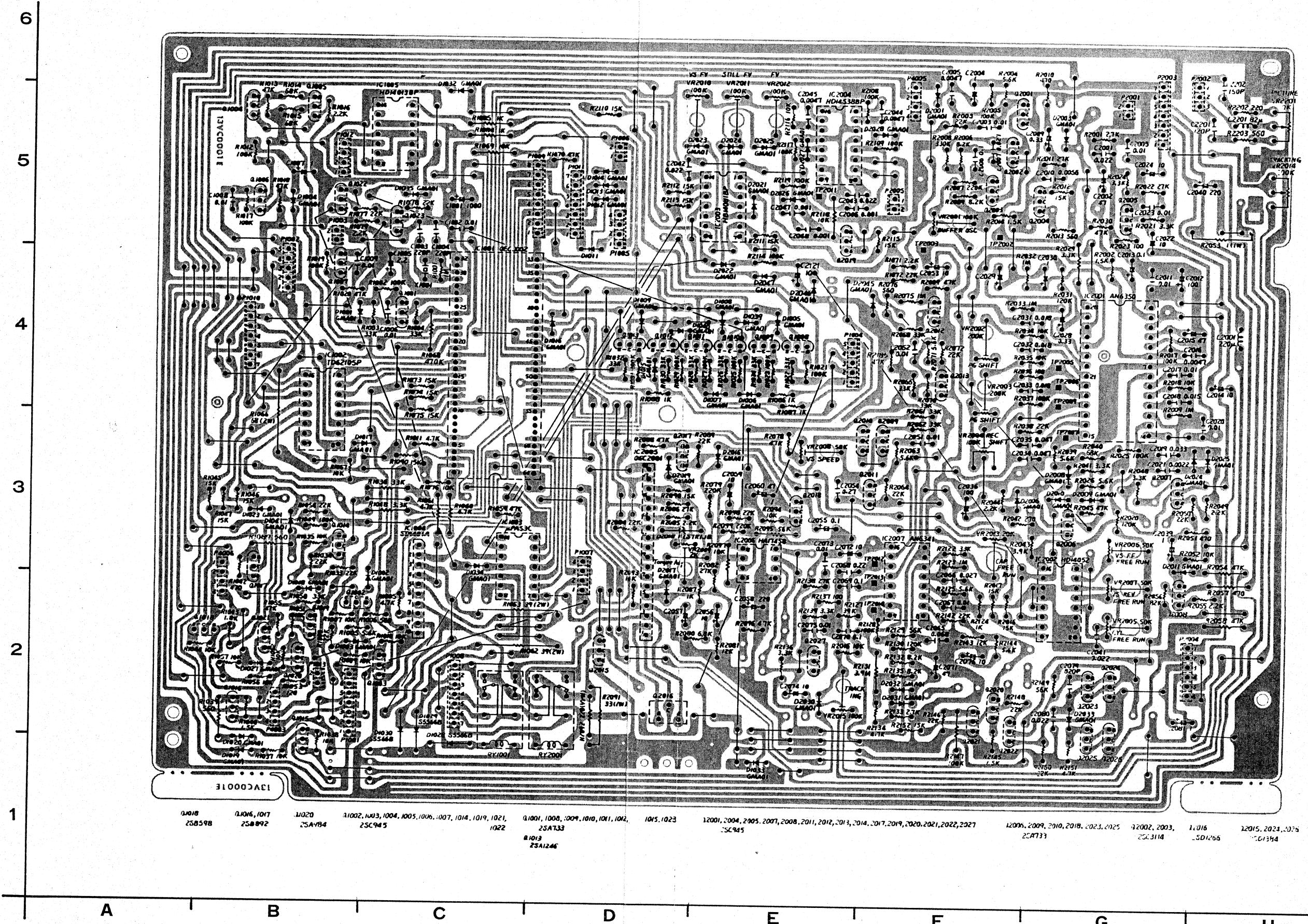
A B C D E F G H I

# **SYSTEM CONTROL & SERVO BOARD**

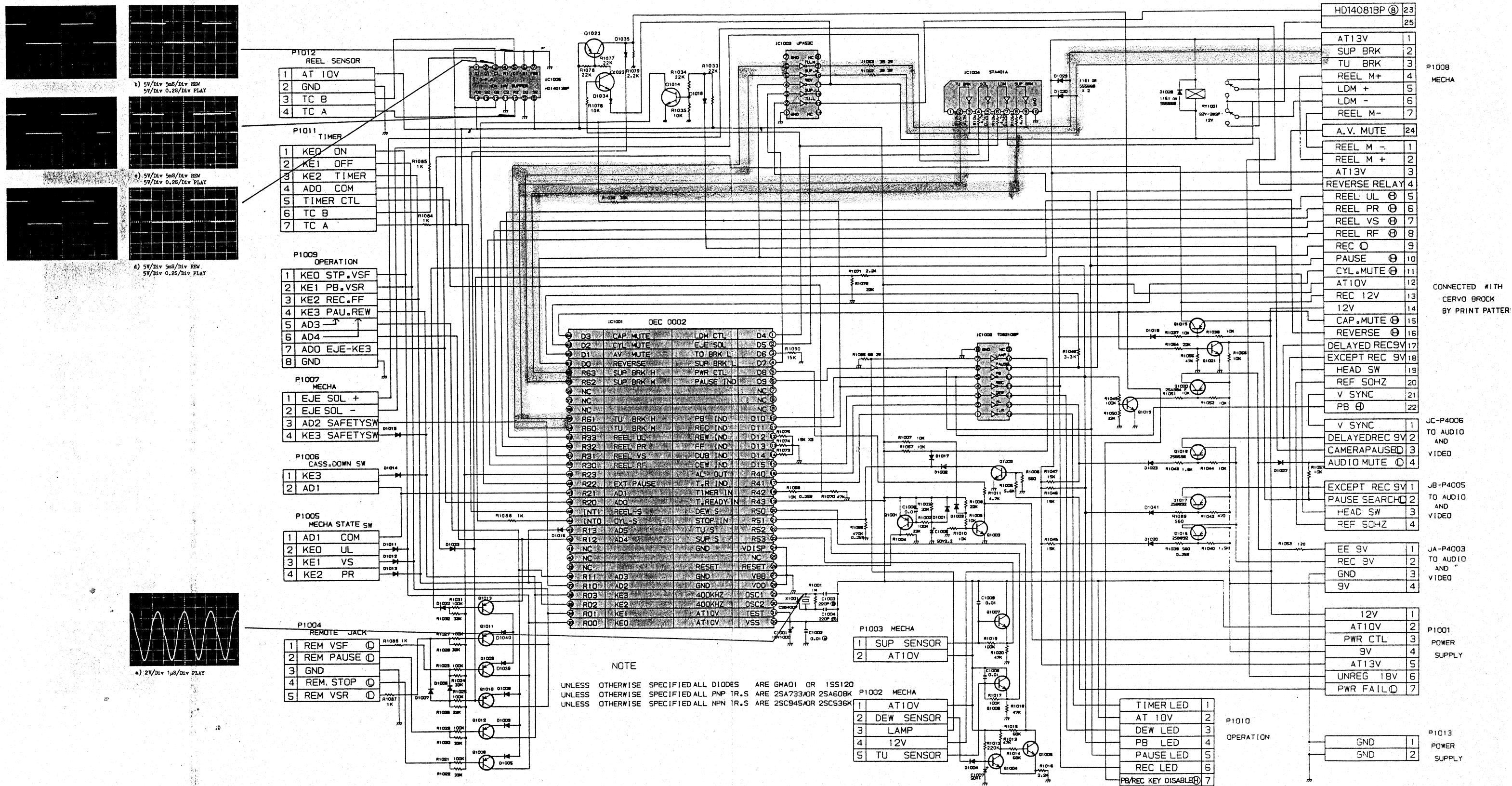


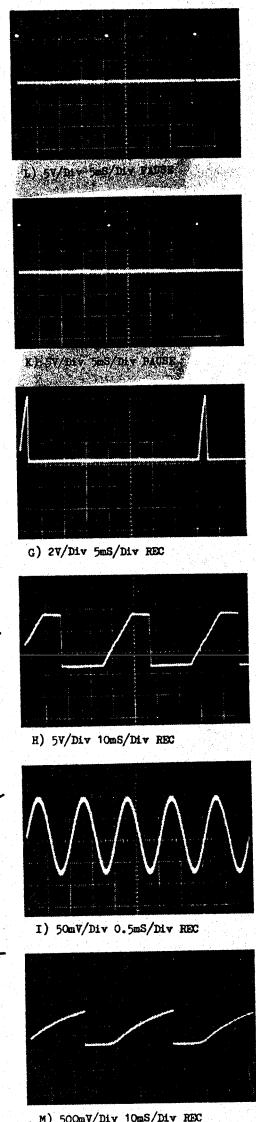
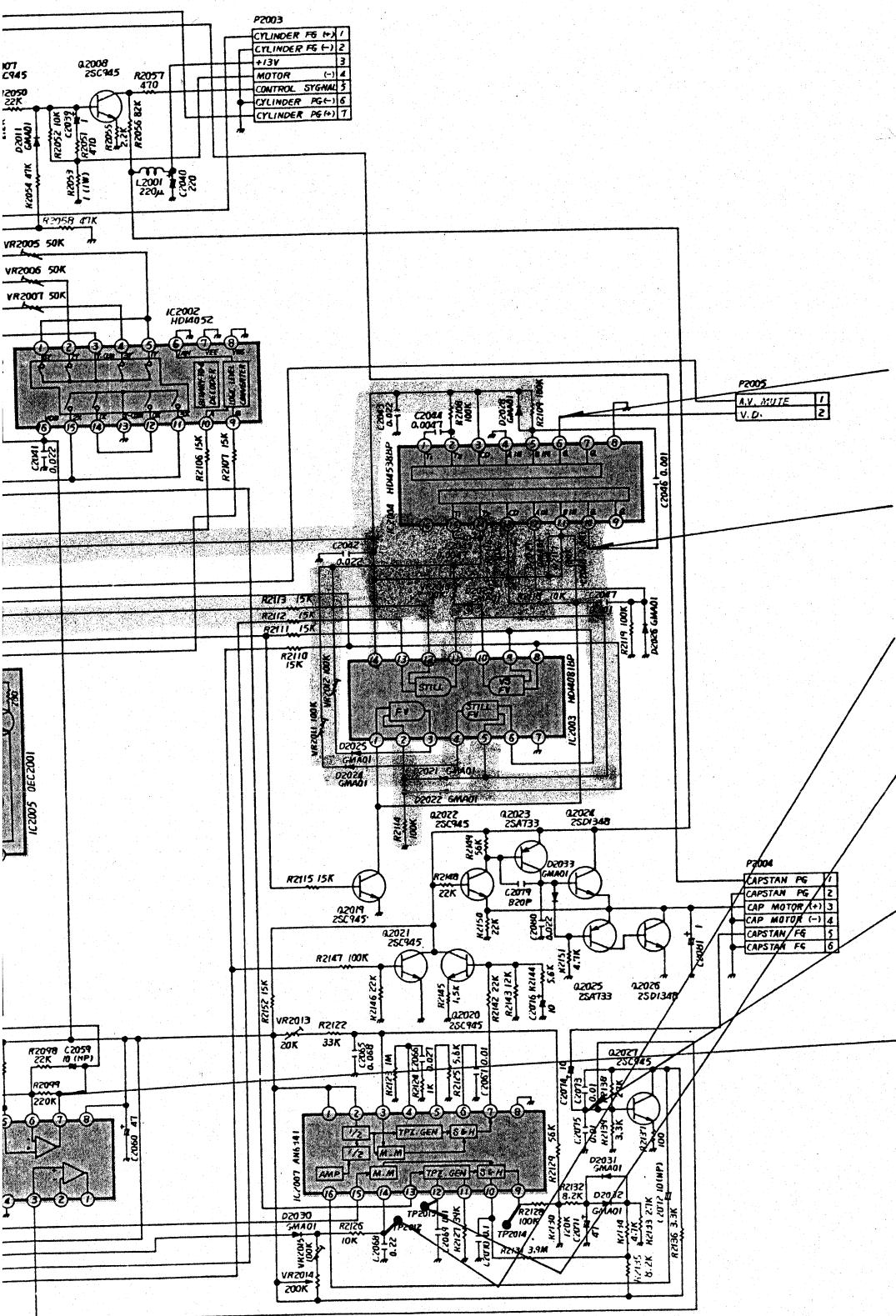
2-12 A

# SYSTEM CONTROL & SERVO BOARD

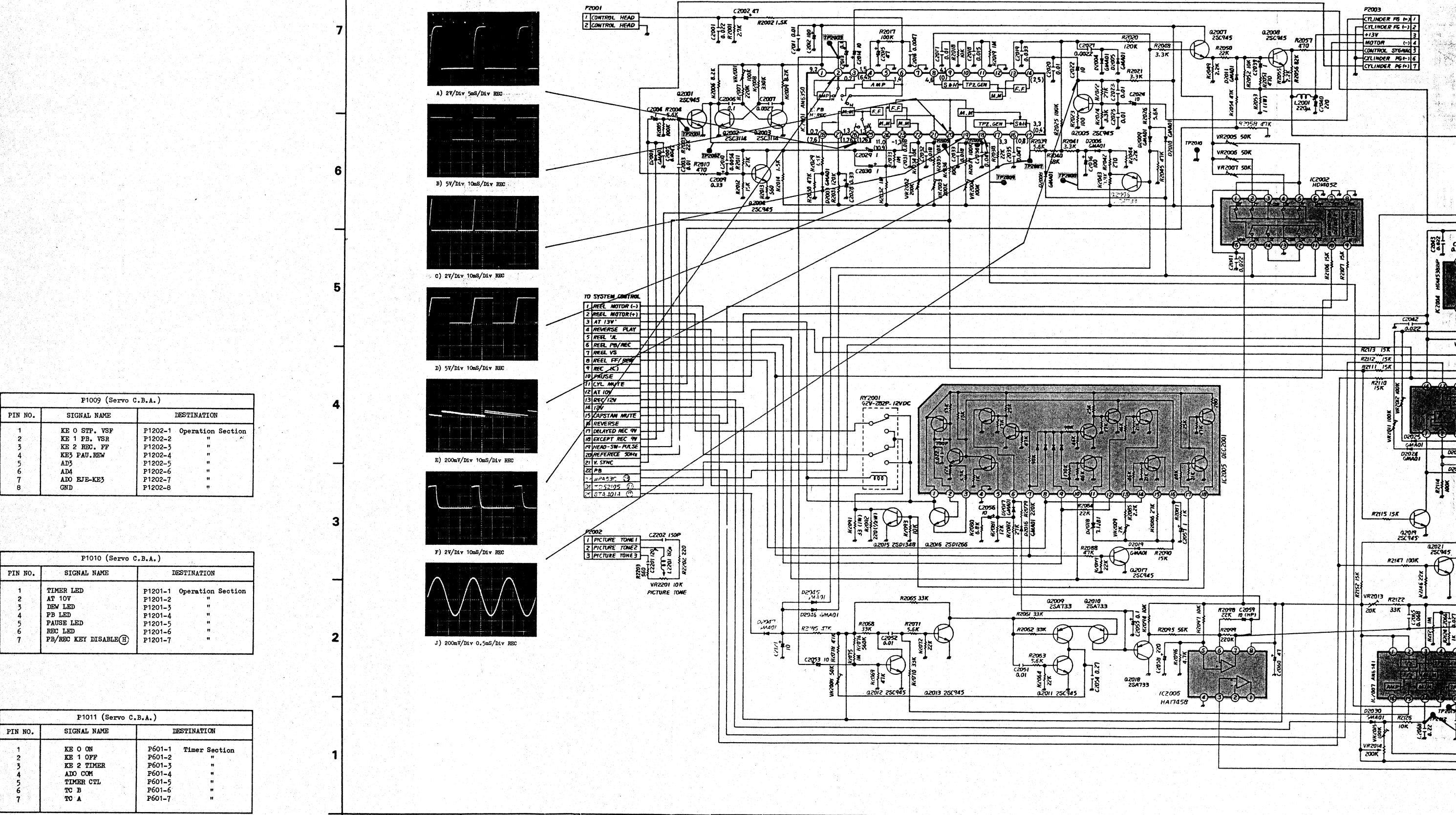


# ITEM CONTROL SCHEMATIC DIAGRAM



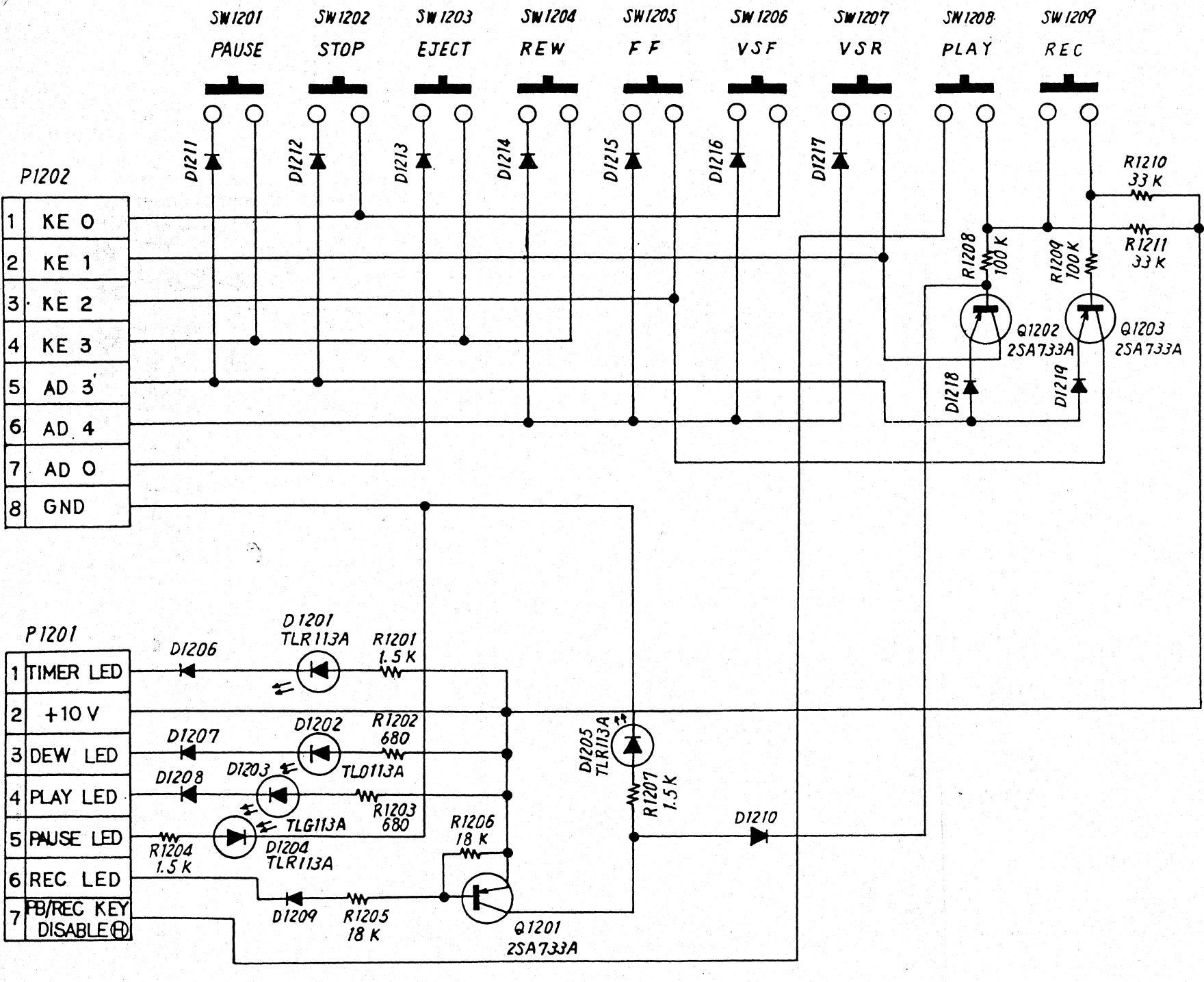


# SERVO SCHEMATIC DIAGRAM

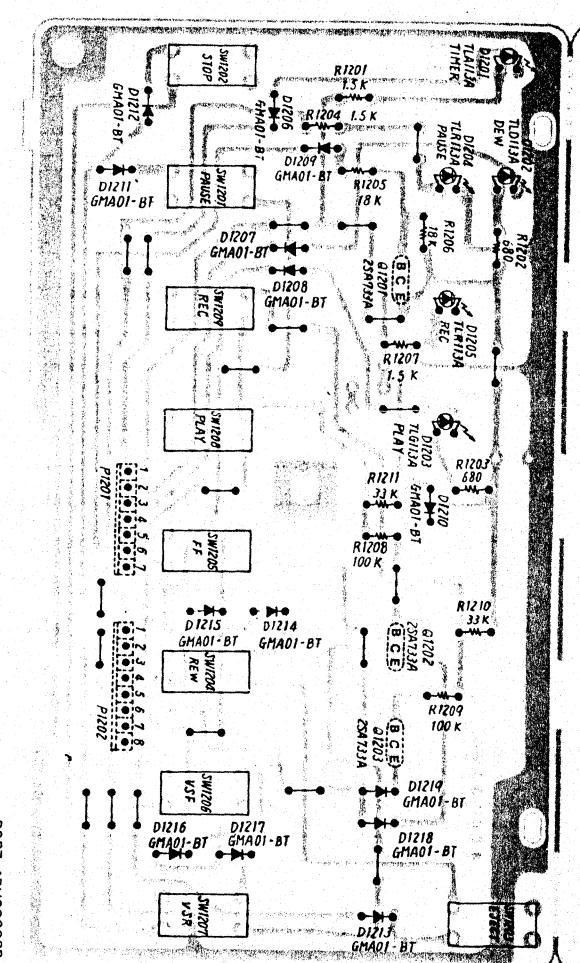


# OPERATION SCHEMATIC DIAGRAM

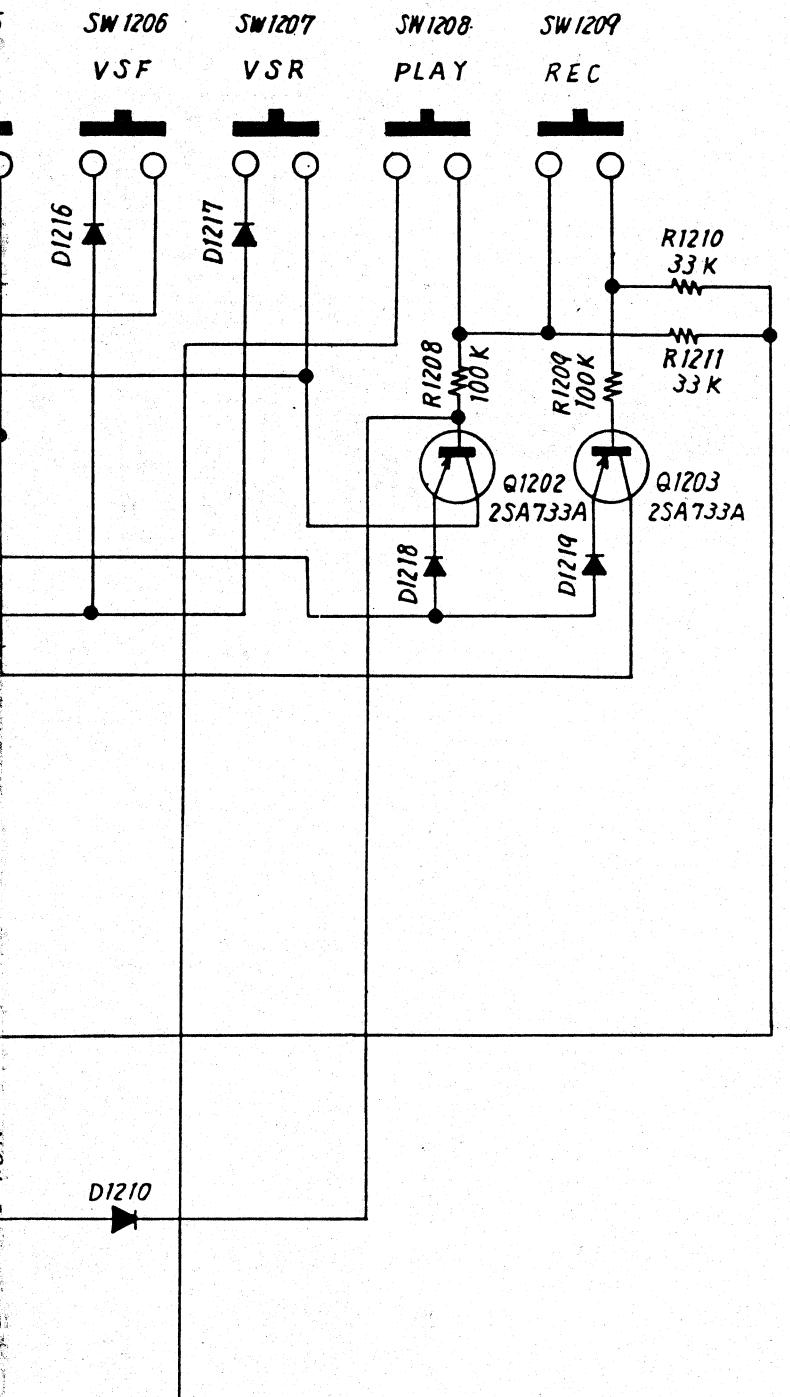
# OPERATION BOARD



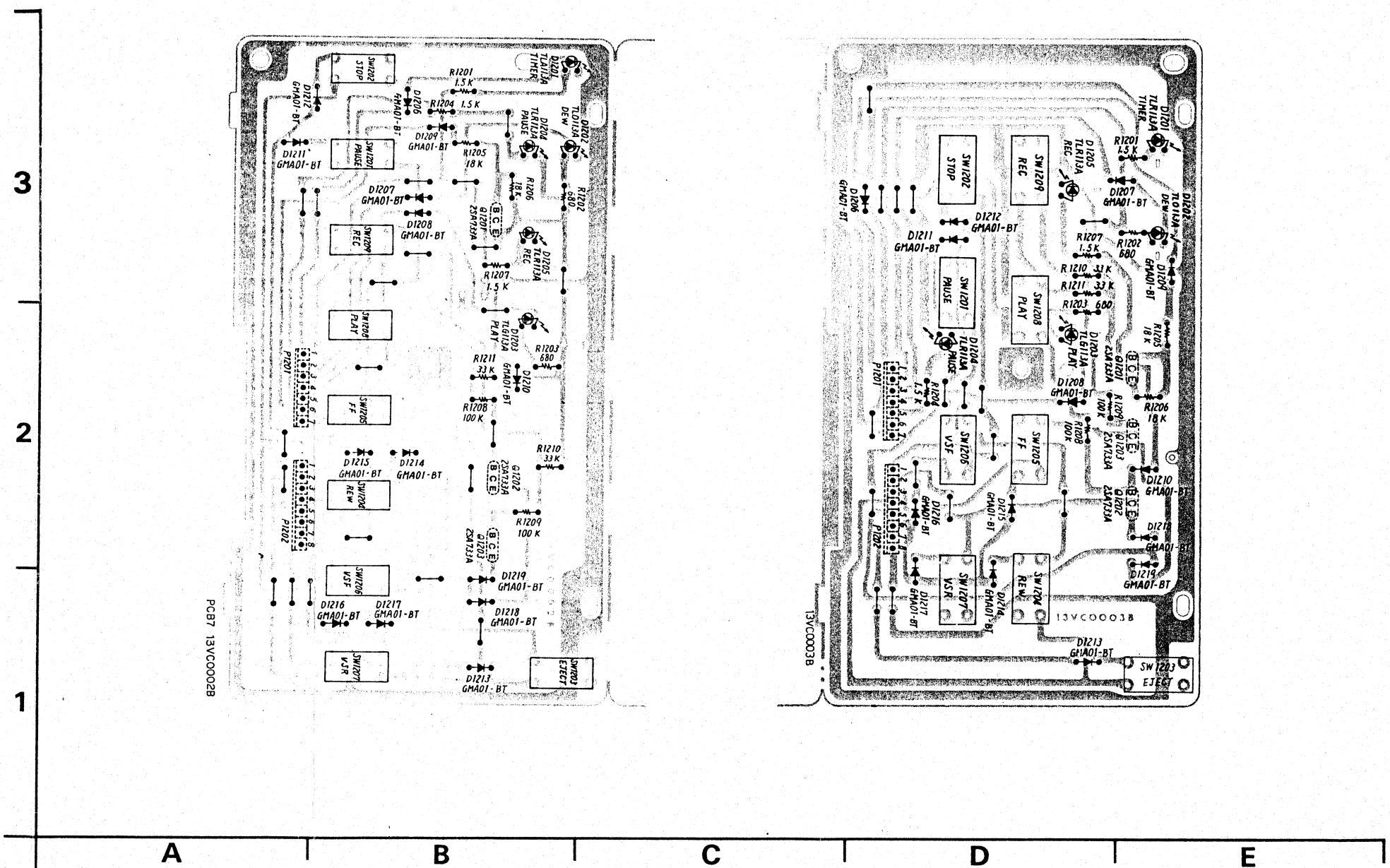
2-15



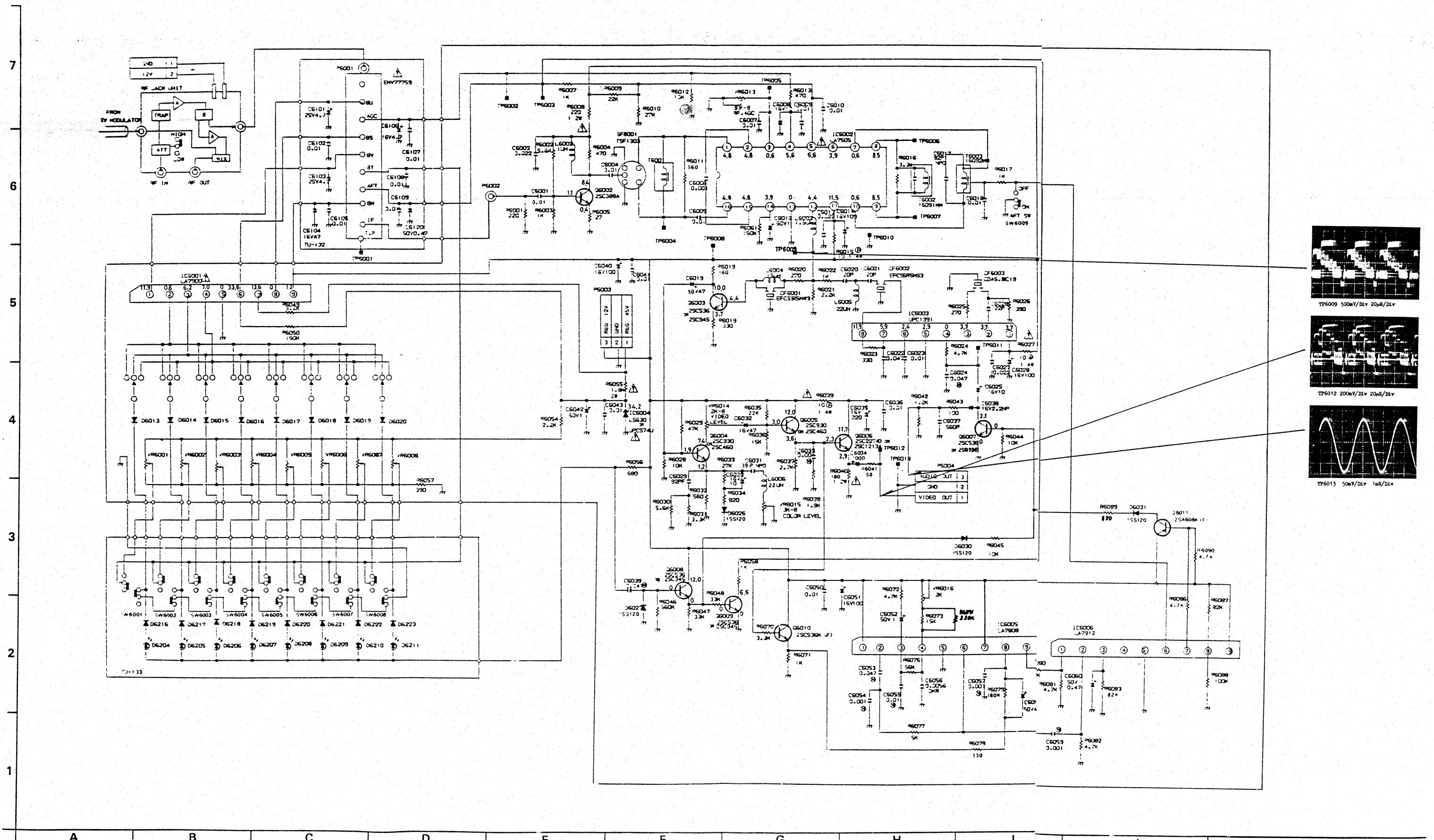
# OPERATION BOARD



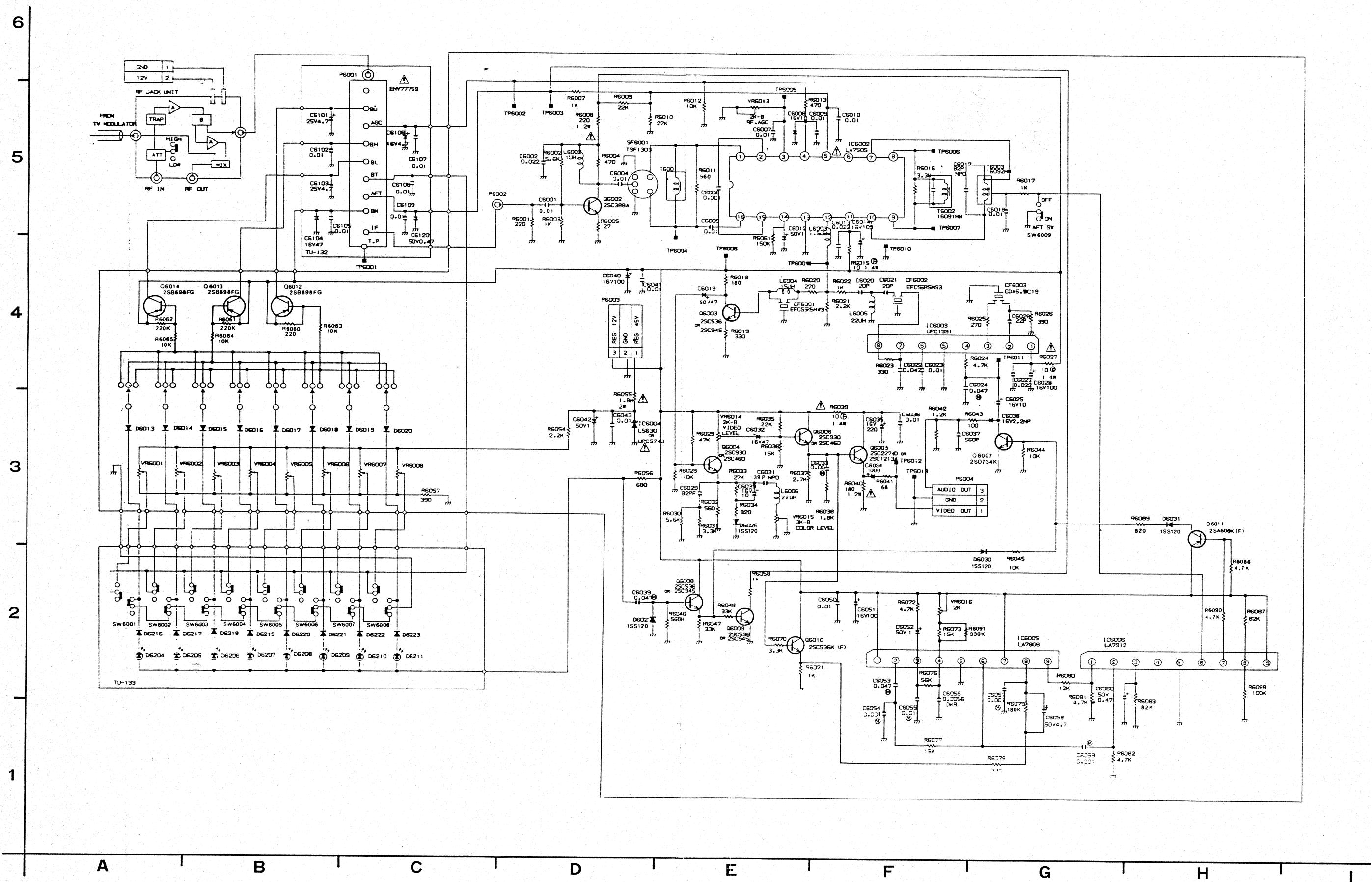
D1219 : GMA01-BT



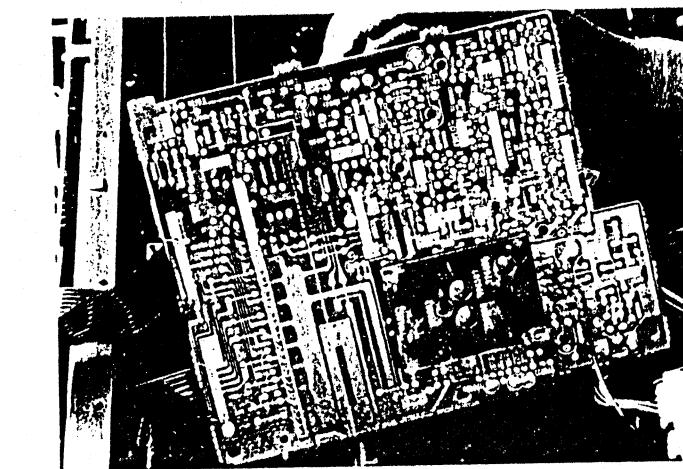
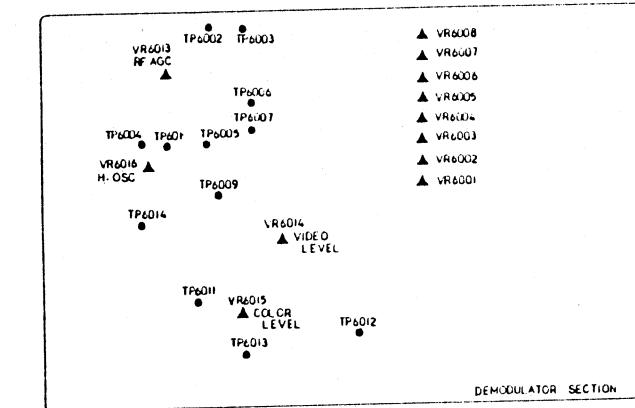
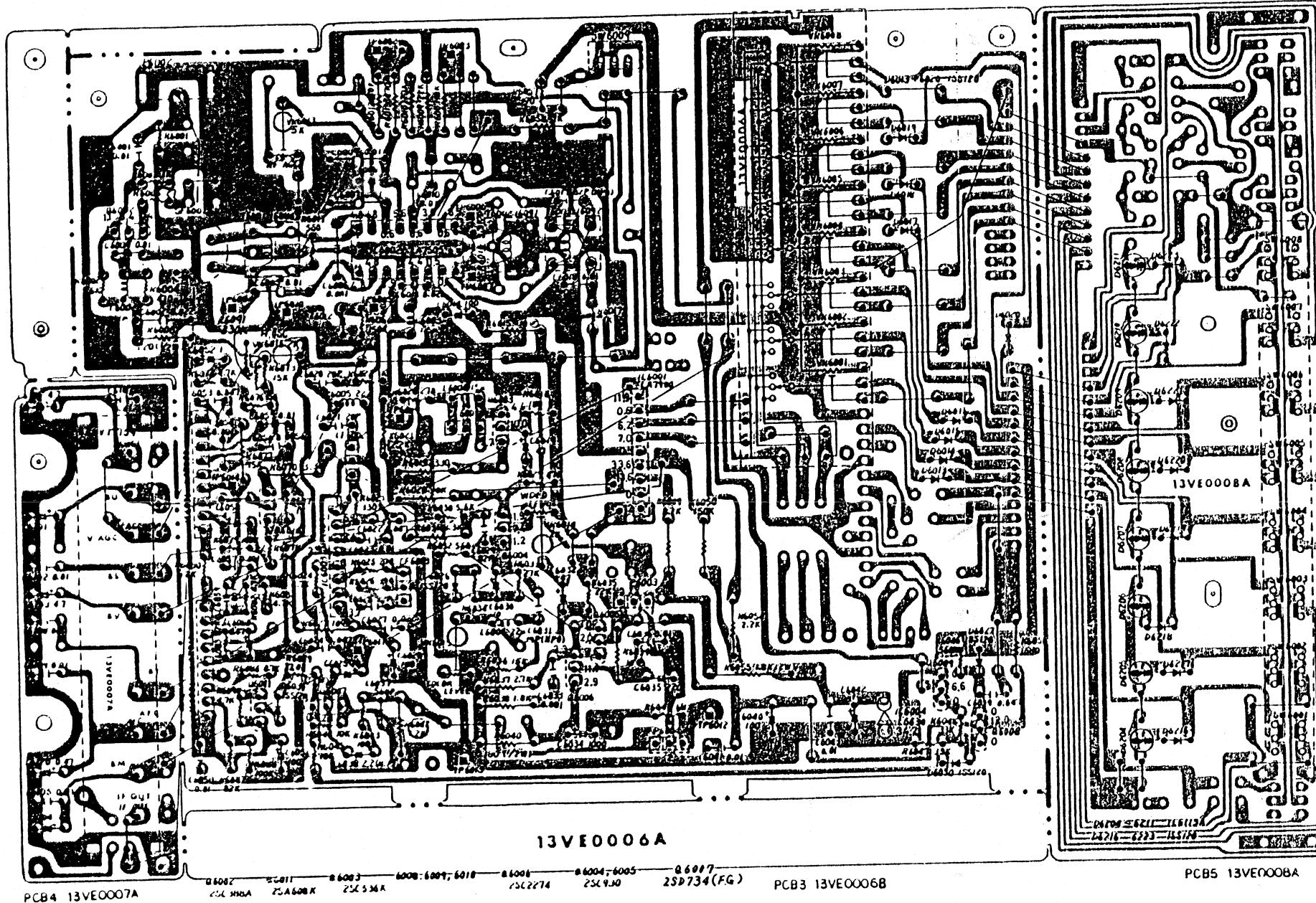
# DEMODULATOR SCHEMATIC DIAGRAM



# DEMODULATOR SCHEMATIC DIAGRAM

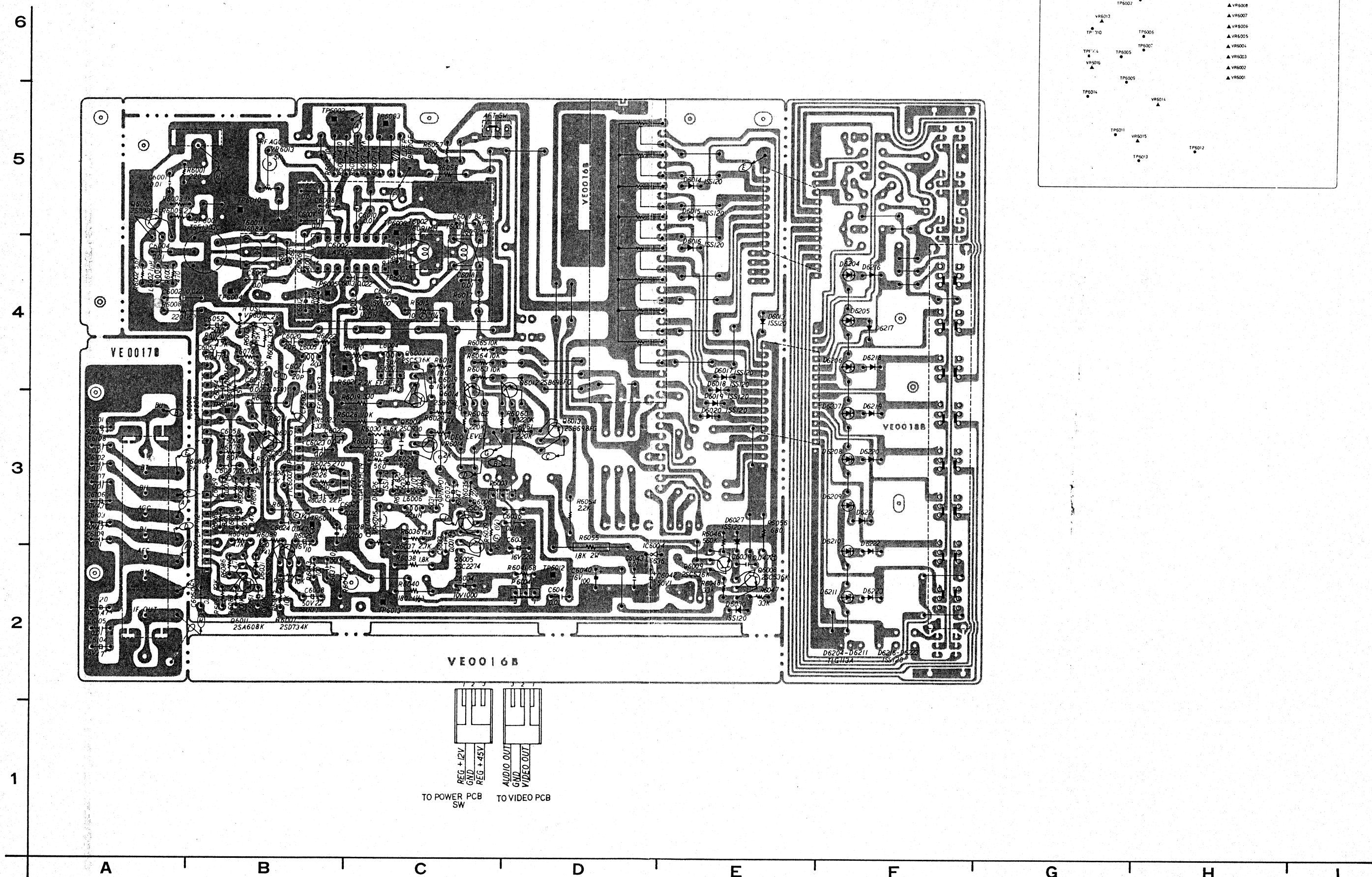


# DEMODULATOR & TUNER CONNECTION BOARD



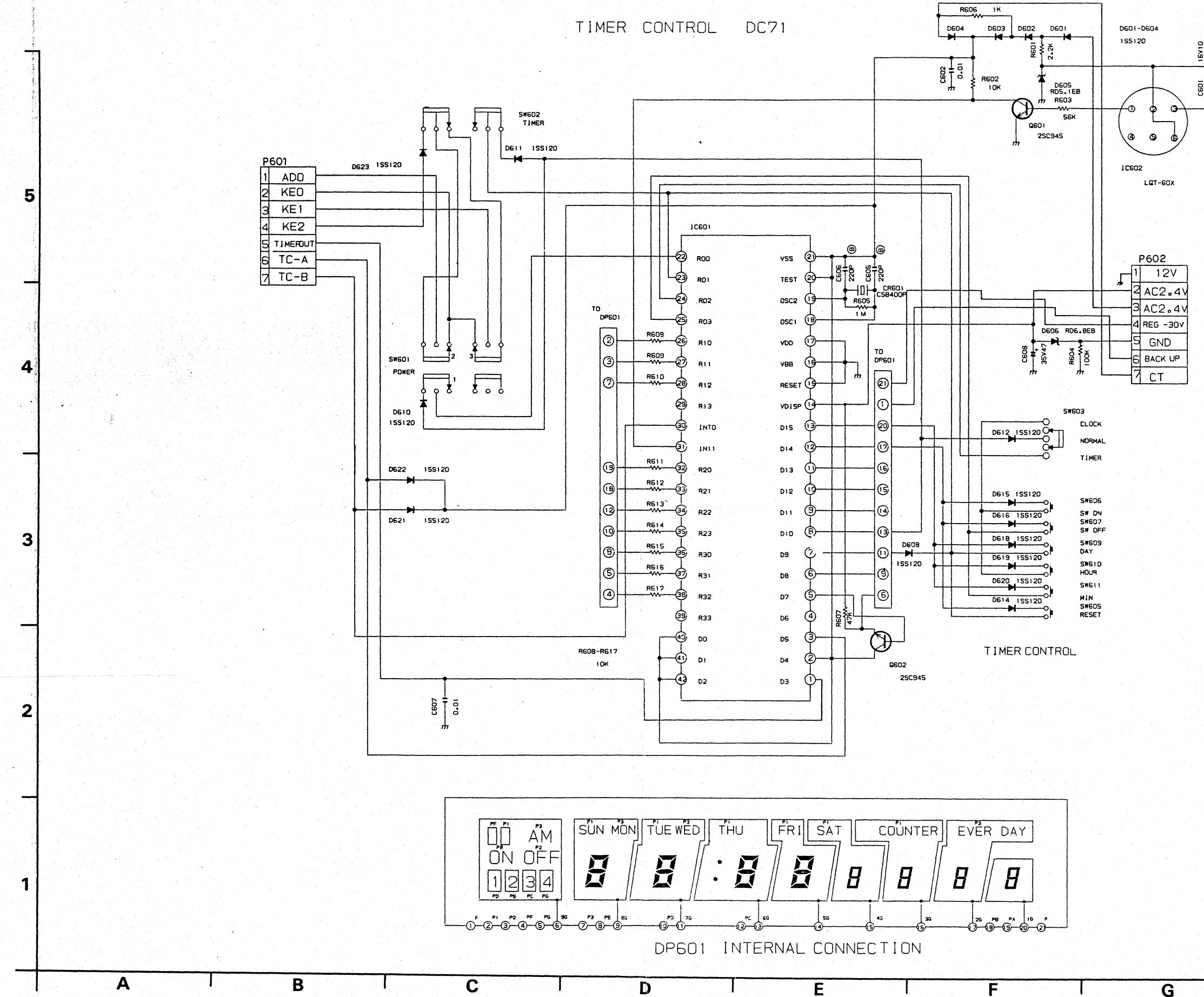
A B C D E

# TV DEMODULATOR & TUNER CONNECTION BOARD

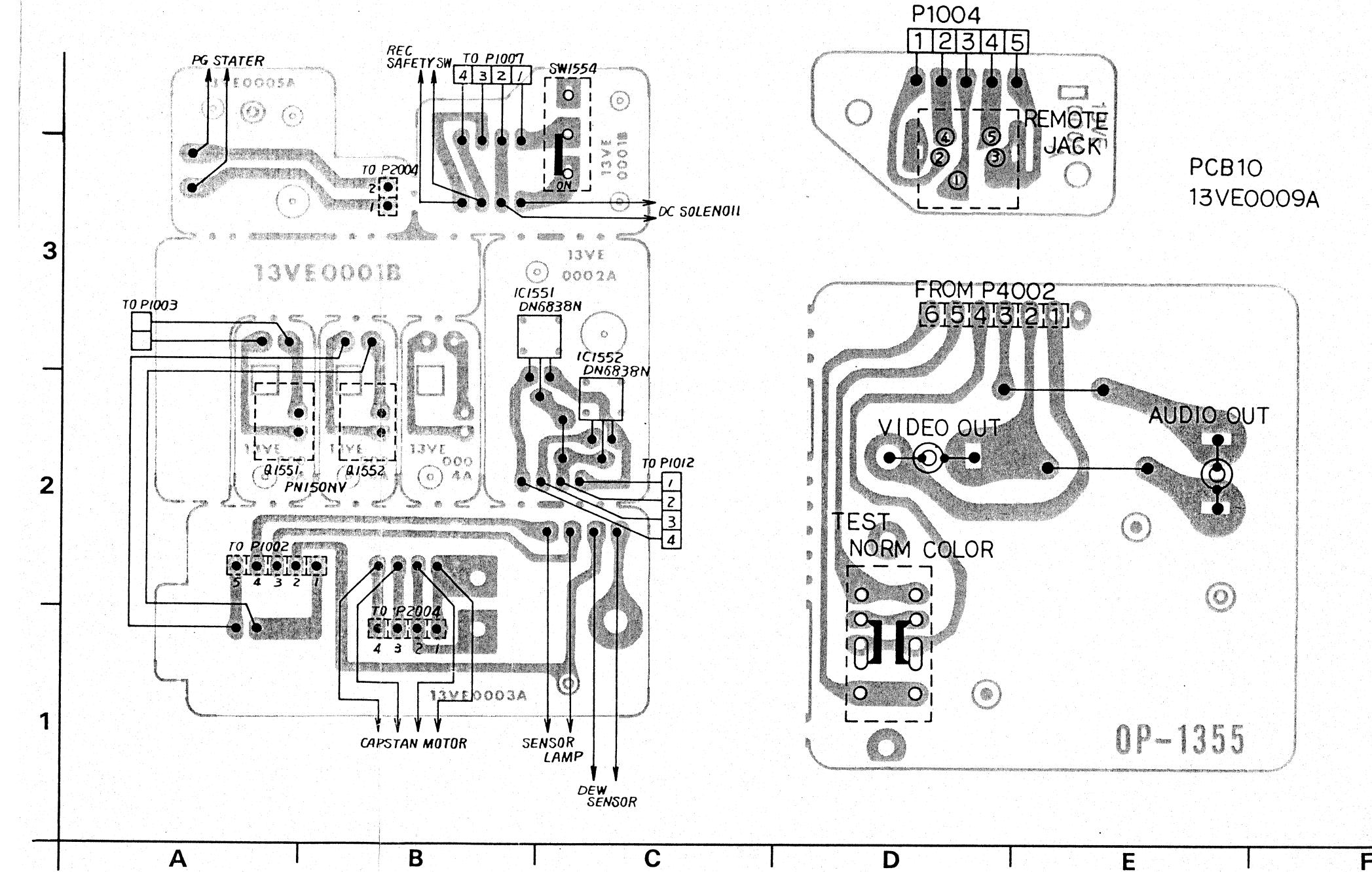
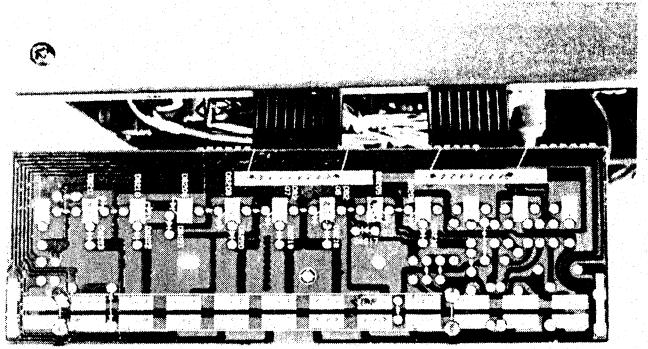


# **TIMER SCHEMATIC DIAGRAM**

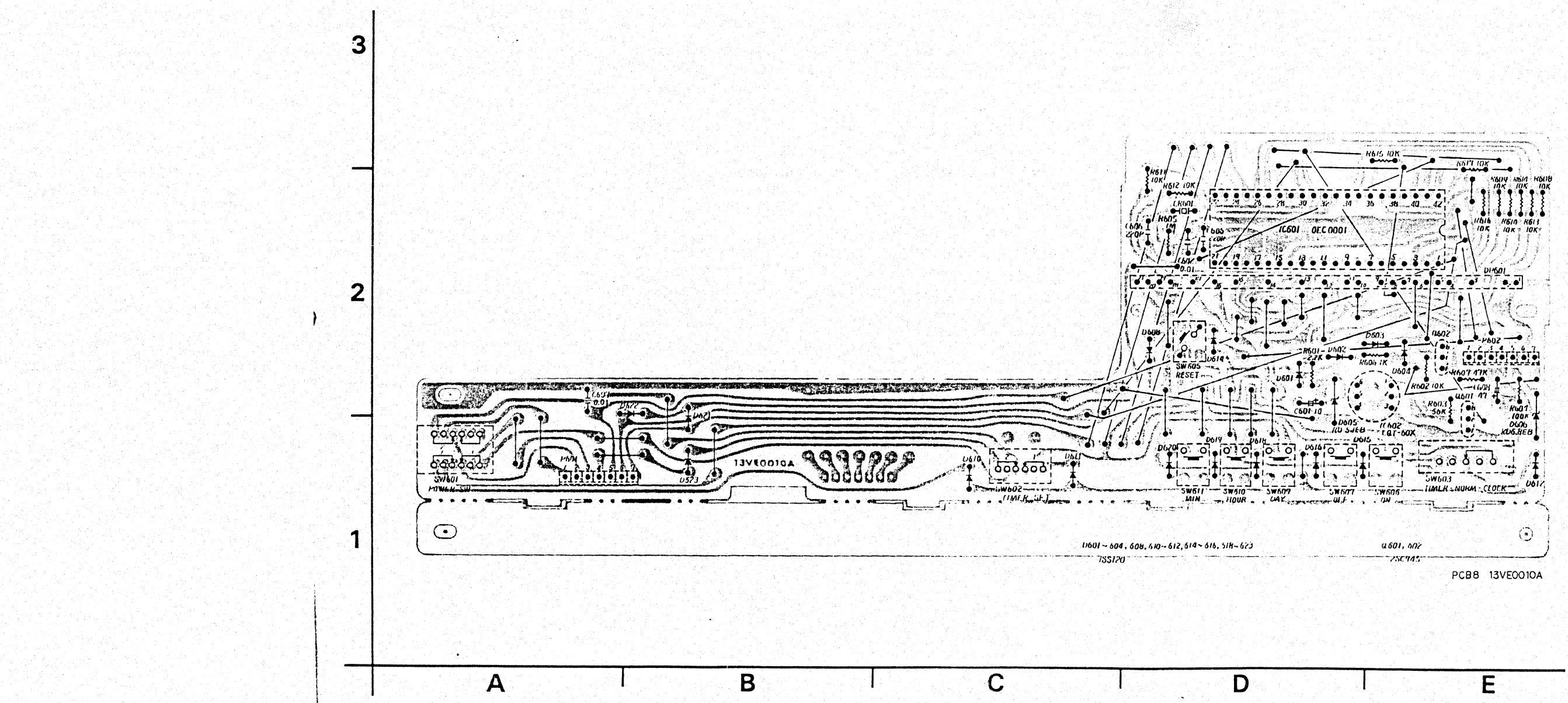
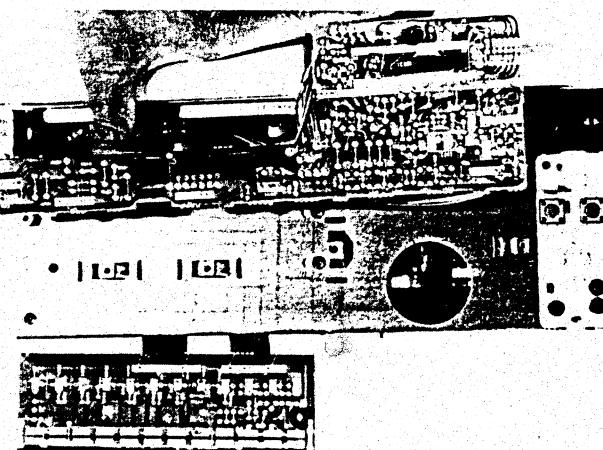
## TIMER CONTROL



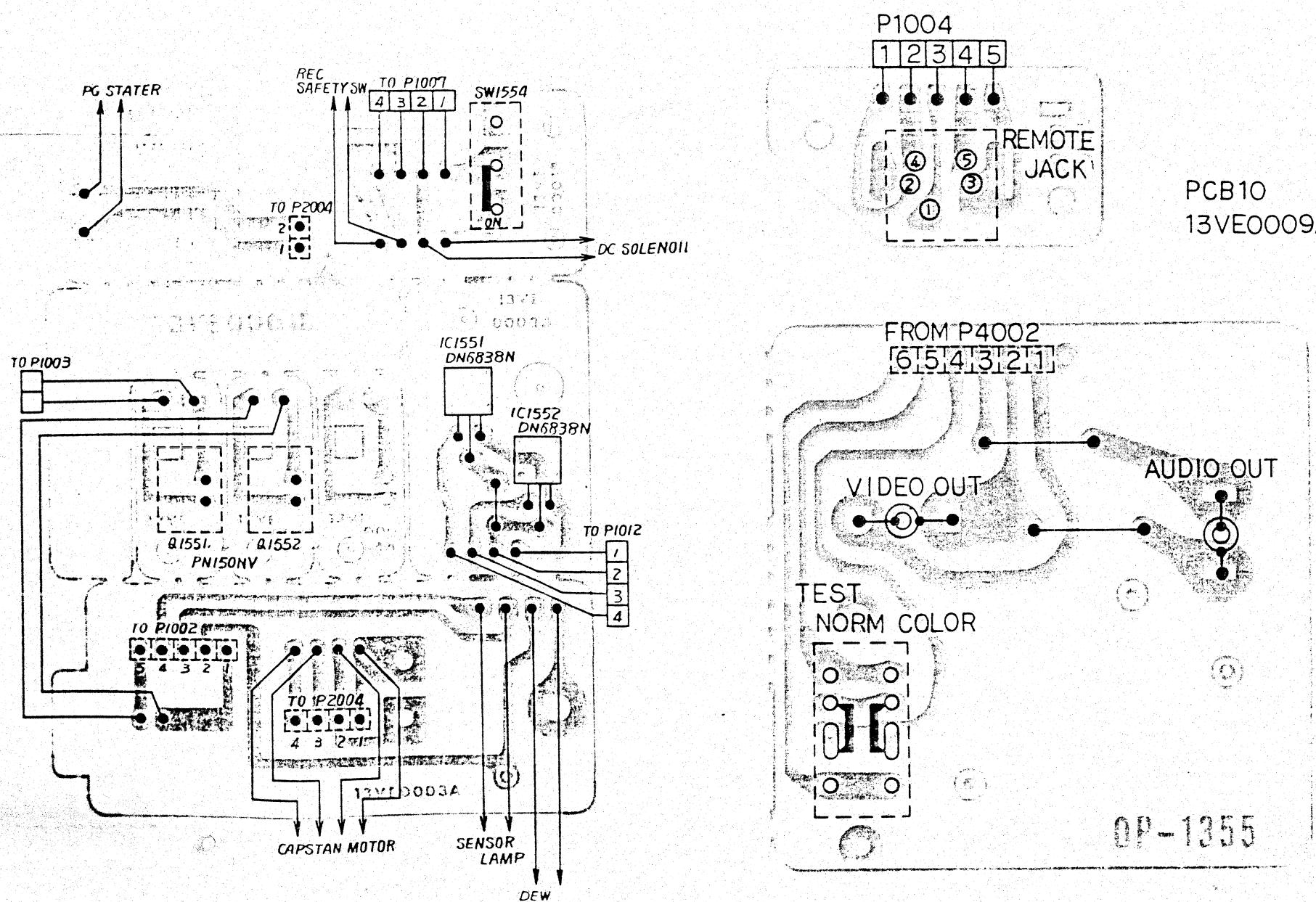
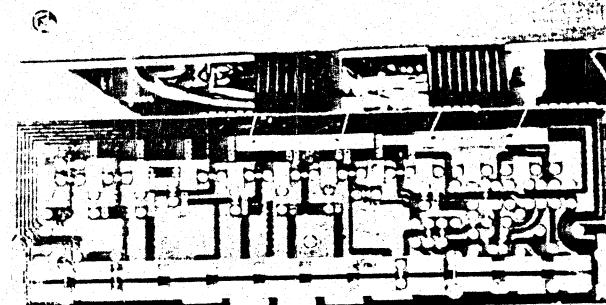
**SUPPLY PHOTO TR BOARD  
REEL SENSOR BOARD  
OUTPUT JACK BOARD**



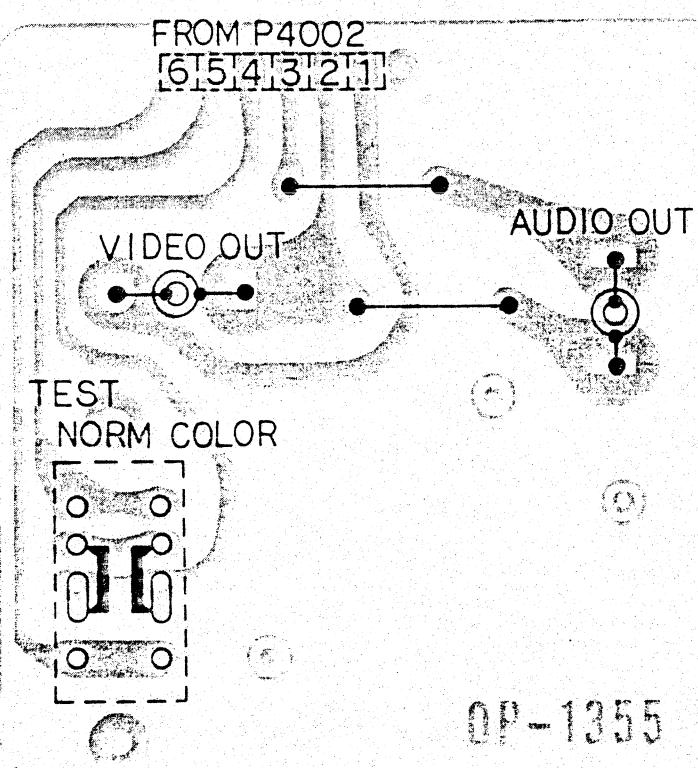
## **TIMER BOARD**



SUPPLY PHOTO TR BOARD  
REEL SENSOR BOARD  
OUTPUT JACK BOARD



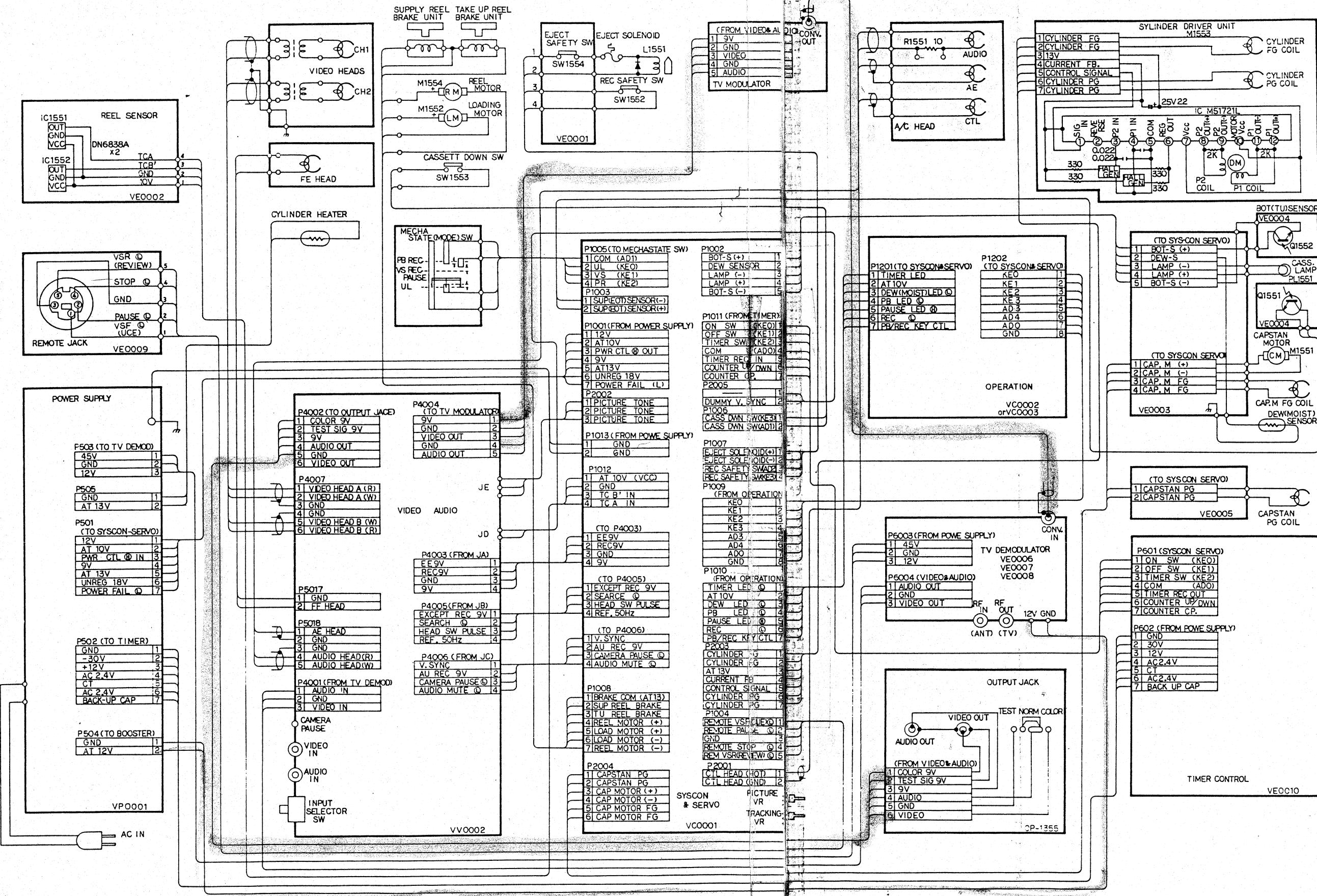
PCB10  
13VE0009A



OP-1355

A B C D E F

# INTERCONNECTION SCHEMATIC DIAGRAM



A

B

C

D

F

ELECTRICAL REPLACEMENT PARTS LIST

Notes:

1. \* Be sure to make your orders of replacement parts according to this list.

\* "N" in Remarks column indicates new parts.

2. IMPORTANT SAFETY NOTICE

Components identified by  $\Delta$  have special characteristics important for safety.

When replacing any of these components, use only the original ones.

3. Unless otherwise specified.

All resistors are in OHMS ( $\Omega$ ), 1/8W,  $\pm\%_0$ , Carbon.  $K=1,000$  ohm,  $M=1,000K$  ohm.

All capacitors are in MICROFARADS ( $\mu F$ ),  $\pm 10\%$ ,  $P_{\text{max}}=1\mu F$ .

Ref. No.	Part No.	Part Name & Description	Pcs/ Set	Remarks	Ref. No.	Part No.	Part Name & Description	Pcs/ Set	Remarks
	1589A0512	Power Supply P.C. Board Assembly 13VPO001C	1		R511	0166-1030	10K	1	
	1589A0493	System Control, Servo Control Section P.C. Board Assembly 13VC00001D	1		VR501	0223-1037	Semi-Fixed Capacitors	1	
	1589A1072	Luminance, Chrominance and Audio Section P.C. Board Assembly 13VVO002C	1		C501	0303-3520	Electrolytic	25V	3500
	1589A0521	Timer P.C. Board Assembly 13VE0010B	1		C502	0302-4720	Electrolytic	16V	4700
	1589A0561	TV Demodulator P.C. Board Assembly 13VE0006B 13VE0007A 13VE0008A	1		C503	0305-2R20	Electrolytic	50V	2.2
	1589A0541	Front Operation P.C. Board Assembly 13VC0002B/13VC0003B	1		C504	0330-4750	Ceramic	50V	0.047
	1589A0551				C505, 506	0307-1010	Electrolytic	100V	100
	1589A0470	Photo Sensor Section P.C. Board Assembly 13VE0004A	1		C507	0306-4700	Electrolytic	63V	47
	1589A0450	Reel Sensor P.C. Board Assembly 13VE0002A	1		C508	0302-1020	Electrolytic	16V	1000
	1512A3550	Output Jack P.C. Board Assembly OP-1355	1		C509	0305-4700	Electrolytic	50V	47
	1589A0530	Remote Jack P.C. Board Assembly 13VE0009A	1		C510, 511	0302-1020	Electrolytic	16V	1000
		POWER SUPPLY P.C. BOARD			C513	0320-1080	Mylar	50V	0.1
		<u>Integrated Circuit</u>			C514	0332-5610	Ceramic	50V	560P(YB)
					C515	0332-1020	Ceramic	50V	0.001(YB)
	IC501	0070-0580	STK5326	$\Delta$	T501	0574-0012	Transformer		
		<u>Transistors</u>			F501	1011-0061	Fuse	1A (T)	
	Q501	0020-1080	2SC2274K(E,F)-AA		F502	1011-0121	Fuse	3.15A (T)	
	Q502	0020-1090	2SC2362X(F,G,H)-AA		ICP501	0823-1060	IC Protector	ICP-N20	
	Q503	0020-1080	2SC2274K(E,F)-AA		-	1204-0020	Fuse Holder	NPF0109-02-010	
	Q504	0010-0172	2SB507(E,F)-CA		-	1302-0031	AC Cord		
	Q505	0020-0876	2SC556K(F,G,H)-AA						
	Q506	T020-0382	2SC2001T(K,L)						
	Q507	0030-0460	2SD1266	$\Delta$					
		<u>Diodes</u>							
	D501-504	0051-0017	1OD-1FC						
	D505, 506	0050-0300	GMA01-04BT	4					
	D507-510	0051-0017	1OD-1FC	2		Q1001	T000-0145	2SA735AT	
	D511, 512	0051-0102	1OD-2FC	4		Q1002-1007	T020-0198	2SC945AT	1
	D513, 514	0051-0017	1OD-1FC	2		Q1008-1012	T000-0145	2SA733AT	6
	D515	0054-0152	RD30EB2	2		Q1013	T000-0460	2SA1246-AA	
	D516	0054-0264	RD5.6JB	1		Q1014	T020-0198	2SC945AT	1
	D517	0054-0620	GZA45Y	1		Q1015	T000-0145	2SA733AT	1
	D518	0050-0371	MA27TB-TA	1		Q1016, 1027	0010-0300	2SB892-WB	2
		<u>Resistors</u>			Q1018	0010-0310	2SB598-AA		
	R501	0171-6805	Fuse	1/4W	68	1			
	R502	0120-3325	Metal Oxide	1W	3.3K	1			
	R503	0120-6825	Metal Oxide	1W	6.8K	1			
	R504	0167-1020		1/4W	1K	1			
	R505	0166-1030		10K	1		D1001-1009	0050-0300	GMA01-04BT
	R506	0166-4720		4.7K	1		D1011-1020	0050-0300	GMA01-04BT
	R507	0166-2210		220	1		D1023	0050-0300	GMA01-04BT
	R508	0108-4710		1/2W	470	1	D1027	0050-0300	GMA01-04BT
	R509	0166-3930		39K	1		D1028-1030	T051-0019	11E1TP
	R510	0166-3320		3.3K	1		D1032, 1033	0050-0300	GMA01-04BT
						D1034, 1035	0050-0300	GMA01-04BT	2
						D1039-1041	0050-0300	GMA01-04BT	2
									3

Ref. No.	Part No.	Part Name & Description	Pcs/ Set	Remarks	Ref. No.	Part No.	Part Name & Description	Pcs/ Set	Remarks
<u>Resistors</u>									
R1001	0166-1050		1M	1	P1001	0831-1167	TP	4-171825-7	1
R1002	0166-1040		100K	1	P1002	0831-1165	SP	4-171825-5	1
R1003, 1004	0166-3330		33K	2	P1003	0831-0162	ZP	171825-2	1
R1005	0166-5620		5.6K	1	P1004	0831-0165	SP	171825-5	1
R1006	0166-5610		560	1	P1005	0831-0164	4P	171825-4	1
R1007	0166-1030		10K	1	P1006	0831-1162	ZP	4-171825-2	1
R1008	0166-2230		22K	1	P1007	0831-1164	4P	4-171825-4	1
R1009, 1010	0166-1030		10K	2	P1008	0831-0167	TP	171825-7	1
R1011	0166-4720		4.7K	1	P1009	0831-0168	SP	171825-8	1
R1012	0166-2240		220K	1	P1010	0831-1167	TP	4-171825-7	1
R1013	0166-4730		47K	1	P1011	0831-2267	TP	2-171825-7	1
R1014, 1015	0166-6830		68K	2	P1012	0831-2264	4P	2-171825-4	1
R1016	0166-2220		2.2K	1	P1013	0831-2262	ZP	2-171825-2	1
R1017	0166-1040		100K	1					
R1018	0166-4730		47K	1					
R1019	0166-1040		100K	1	X1001	0780-0160	B relay	G2V-282P-12VDC	1
R1020	0166-4730		47K	1		6610-0010	Ceramic OSC	CSB400P	1
R1021	0166-1040		100K	1		-	Heat Sink	SP-36-BS	1
R1022	0166-3330		33K	1					
R1023	0166-1040		100K	1					
R1024	0166-3330		33K	1					
R1025	0166-1040		100K	1					
R1026	0166-3330		33K	1	IC2001	0079-1070	AN6350		1
R1027	0166-1040		100K	1	IC2002	0079-1770	HD14052B		1
R1028	0166-3330		33K	1	IC2003	0079-1780	HD14081BP		1
R1029	0166-1040		100K	1	IC2004	0079-1790	HD14558BP		1
R1030	0166-3330		33K	1	IC2005	0079-1820	OEC2001		1
R1031	0166-1040		100K	1	IC2006	0079-1810	HA17458		1
R1032	0166-3330		33K	1	IC2007	0079-0880	AN6341N		1
R1033, 1034	0166-2230		22K	2					
R1035	0166-1030		10K	1					
R1036	0167-3330		1/4W	33K					
R1037, 1038	0166-1030		10K	2	Q2001	T020-0198	2SC945AT		1
R1039	0167-5610		1/4W	560	Q2002, 2003	0020-1070	2SC3114		2
R1040	0166-1520		1.5K	1	Q2004, 2005	0200-0198	2SC945AT		2
					Q2006	T000-0145	2SA1733AT		1
					Q2007, 2008	T020-0198	2SC945AT		2
R1042	0166-4710		470	1	Q2009, 2010	T000-0145	2SA1733AT		2
R1043	0166-1820		1.8K	1	Q2011-2013	T020-0198	2SC945AT		3
R1044	0166-1030		10K	1	Q2015	0030-0470	2SD1348		1
R1045-1047	0166-1550		15K	3	Q2016	0030-0460	2SD1266		1
R1048	0167-3320		1/4W	3.3K	Q2017	T020-0198	2SC945AT		1
R1049	0166-1040		100K	1	Q2018	T000-0145	2SA1733AT		1
R1050	0166-3330		33K	1	Q2019-2022	T020-0198	2SC945AT		2
R1051, 1052	0166-1030		10K	2	Q2023	T000-0145	2SA1733AT		1
R1053	0166-1210		120	1	Q2024	0030-0470	2SD1348		1
R1054	0166-2230		22K	1	Q2025	T000-0145	2SA1733AT		1
R1055	0166-4730		47K	1	Q2026	0030-0470	2SD1348		1
R1056, 1057	0166-1030		10K	2	Q2027	T020-0198	2SC945AT		1
R1058, 1059	0166-4720		4.7K	2					
R1060, 1061	0167-4720		1/4W	4.7K					
R1062, 1063	0121-3905	Metal Oxide	2W	39					
R1066	0121-5805	Metal Oxide	2W	68					
R1067	0166-1030		10K	1	D2001	0050-0300	GMA01-04BT		1
R1068	0167-4740		1/4W	470K	D2003-2006	0050-0300	GMA01-04BT		4
R1069	0167-1030		1/4W	10K	D2008-2011	0050-0300	GMA01-04BT		4
R1070	0166-4730		47K	1	D2016, 2017	0050-0300	GMA01-04BT		2
R1071	0166-2220		2.2K	1	D2018	0054-0650	H2S7.1JB(1)		1
R1072	0166-2230		22K	1	D2019	0050-0500	GMA01-04BT		1
R1073-1075	0166-1550		15K	3	D2021-2028	0050-0300	GMA01-04BT		8
R1076	0166-1030		10K	1	D2030-2033	0050-0300	GMA01-04BT		4
R1077, 1078	0166-2230		22K	2	D2045-2047	0050-0300	GMA01-04BT		3
R1079	0166-2220		2.2K	1					
R1084, 1085	0167-1020		1/4W	1K					
R1086-1088	0166-1020		1K	3					
R1089	0167-5610		1/4W	560	R2001	0166-2720		2.7K	1
R1090	0167-1530		1/4W	15K	R2002	0166-1520		1.5K	1
					R2003	0166-2230		22K	1
					R2004	0166-5620		5.6K	1
					R2005	0166-1040		100K	1
					R2006	0166-8220		8.2K	1
					R2007	0166-2240		220K	1
					R2008	0166-3340		330K	1
					R2009	0166-8220		8.2K	1
					R2010	0166-4710		470	1
					R2011	0166-2750		27K	1
<u>Capacitors</u>									
C1001	0302-1023	Electrolytic	ECEA1CSS102	1					
C1002	0320-1070	Mylar	50V	0.01					
C1003, 1004	0305-2210	Electrolytic	50V	220					
C1005	0305-2820	Electrolytic	50V	2.2					
C1006	0330-1030	Ceramic	50V	0.01					
C1007	0305-1090	Electrolytic	50V	1					
C1008, 1009	0330-1030	Ceramic	50V	0.01					

Ref. No.	Part No.	Part Name & Description	Pcs/ Set	Remarks	Ref. No.	Part No.	Part Name & Description	Pcs/ Set	Remarks					
R2012	0166-1530		15K	1	R2115	0166-1530		15K	1					
R2013	0166-5610		560	1	R2116	0166-1030		10K	1					
R2014	0166-1520		1.5K	1	R2117	0166-1040		100K	1					
R2017	0166-1040		100K	1	R2118	0167-1030		1/4W	10K					
R2018	0166-1030		10K	1	R2119	0166-1040		100K	1					
R2019	0166-1050		1M	1	R2122	0166-3530		35K	1					
R2020	0166-1240		120K	1	R2123	0166-1050		1M	1					
R2021	0166-3320		3.3K	1	R2124	0166-1020		1K	1					
R2022	0166-2730		27K	1	R2125	0166-5620		5.6K	1					
R2023	0166-1010		100	1	R2126	0166-1030		10K	1					
R2024	0166-3320		3.3K	1	R2127	0166-3930		39K	1					
R2025	0166-1840		180K	1	R2128	0166-1040		100K	1					
R2026	0166-5620		5.6K	1	R2129	0166-5630		56K	1					
R2029	0167-3320	1/4W	3.3K	1	R2130	0166-1240		120K	1					
R2030	0166-4730		47K	1	R2131	0167-3950		1/4W	3.9K					
R2031	0166-1240		120K	1	R2132	0166-8220		8.2K	1					
R2032, 2033	0166-1050		1M	2	R2133	0166-2720		2.7K	1					
R2034, 2035	0166-1030		10K	2	R2134	0166-4720		4.7K	1					
R2036	0166-1010		100	1	R2135	0166-8220		8.2K	1					
R2037	0166-1040		100K	1	R2136	0166-3320		3.3K	1					
R2038	0166-2230		22K	1	R2137	0166-1010		100	1					
R2039	0166-5620		5.6K	1	R2138	0166-2730		27K	1					
R2040	0166-6830		68K	1	R2139	0166-3320		3.3K	1					
R2041	0166-3320		3.3K	1	R2142	0166-2230		22K	1					
R2042	0166-2710		270	1	R2143	0166-1230		12K	1					
R2043	0166-3920		3.9K	1	R2144	0166-5620		5.6K	1					
R2044	0166-2220		2.2K	1	R2145	0166-1520		1.5K	1					
R2045	0166-4730		47K	1	R2146	0166-2230		22K	1					
R2048	0166-5320		3.5K	1	R2147	0167-1040	1/4W	100K	1					
R2049	0166-2220		2.2K	1	R2148	0166-2230		22K	1					
R2050	0166-2230		22K	1	R2149	0166-5630		56K	1					
R2051	0166-4710		470	1	R2150	0166-2230		22K	1					
R2052	0166-1030		10K	1	R2151	0166-4720		4.7K	1					
R2053	0120-1085	Metal Oxide	1W	1	R2152	0166-1530		15K	1					
R2054	0167-4730		1/4W	47K	R2185	0166-4730		47K	1					
R2055	0166-2220		2.2K	1	R2202	0166-2210		220	1					
R2056	0166-8230		82K	1	R2203	0166-5610		560	1					
R2057	0167-4710	1/4W	470	1	VR2001	0225-1047	Semi-Fixed	EVN52J A00B15/100K	1					
R2058	0167-4730	1/4W	47K	1	VR2002, 2003	0223-2047	Semi-Fixed	EVN52J A00B25/200K	2					
R2061, 2062	0166-3350		35K	2	VR2004	0225-1047	Semi-Fixed	EVN52J A00B15/100K	1					
R2063	0166-5620		5.6K	1	VR2005	0225-5036	Semi-Fixed	TM8KV3-3SB50K	1					
R2064	0166-2230		22K	1	VR2006-2008	0223-5037	Semi-Fixed	EVN52J A00B54/50K	5					
R2065	0166-3330		35K	1	VR2009	0225-2027	Semi-Fixed	ENV52J A00B23/2K	1					
R2068	0166-3330		35K	1	VR2010-2012	0223-1047	Semi-Fixed	EVN52J A00B15/100K	3					
R2069	0166-4730		47K	1	VR2013	0225-2036	Semi-Fixed	TM8KV3-3SB20K	1					
R2070	0166-3330		35K	1	VR2014	0201-1041	Volume	EVJ-ENA4B25	1					
R2071	0166-5620		5.6K	1	VR2015	0223-1047	Semi-Fixed	EVN52J A00B15/100K	1					
R2072	0166-2230		22K	1	VR2201	0201-1040	Volume	EVJ-ELA4B14	1					
R2074	0166-5620		5.6K	1	<u>Capacitors</u>									
R2075	0166-1050		1M	1	C2001	0320-2270	Mylar	50V	0.022	1				
R2076	0166-5640		560K	1	C2002	0302-4700	Electrolytic	16V	47	1				
R2078	0166-4730		47K	1	C2003	0350-1030	Ceramic	50V	0.01	1				
R2079	0166-2240		220K	1	C2004	0305-1090	Electrolytic	50V	1	1				
R2080	0166-6820		6.8K	1	C2005	0320-4760	Mylar	50V	0.0047	1				
R2081	0166-1230		12K	1	C2006	0320-1080	Mylar	50V	0.1	1				
R2082	0166-2730		27K	1	C2007	0320-2770	Mylar	50V	0.027	1				
R2084	0166-2230		22K	1	C2009	0305-R350	Electrolytic	50V	0.55	1				
R2085	0166-2220		2.2K	1	C2010	0330-5620	Ceramic	50V	0.0056	1				
R2086	0166-2730		27K	1	C2011	0330-1030	Ceramic	50V	0.01	1				
R2087	0166-1020		1K	1	C2012	0302-1010	Electrolytic	16V	100	1				
R2088	0166-4730		47K	1	C2013	0305-R100	Electrolytic	50V	0.1	1				
R2089	0166-2230		22K	1	C2014	0302-1000	Electrolytic	16V	10	1				
R2090	0166-1550		15K	1	C2015	0302-4700	Electrolytic	16V	47	1				
R2091	0120-3305	Metal Oxide	1W	55	C2016	0320-4760	Mylar	50V	0.0047	1				
R2092	0108-2210		1/2W	220	C2017	0320-1070	Mylar	50V	0.01	1				
R2093, 2094	0166-1050		10K	2	C2018	0320-1570	Mylar	50V	0.015	1				
R2095	0167-5650	1/4W	56K	1	C2019	0320-3370	Mylar	50V	0.053	1				
R2096	0166-4720		4.7K	1	C2020	0320-1070	Mylar	50V	0.01	1				
R2097	0167-1030	1/4W	10K	1	C2021	0320-2260	Mylar	50V	0.0022	1				
R2098	0166-2230		22K	1	C2022	0305-1006	Electrolytic	25V	10 (NP)	1				
R2099	0166-2240		220K	1	C2023	0350-1030	Ceramic	50V	0.01	1				
R2106, 2107	0166-1550		15K	2	C2024	0302-1000	Electrolytic	16V	10	1				
R2108, 2109	0166-1040		100K	2	C2025	0330-1030	Ceramic	50V	0.01	1				
R2110-2113	0166-1550		15K	4	C2028	0305-R350	Electrolytic	50V	0.55	1				
R2114	0166-1040		100K	1	C2029, 2030	0305-1090	Electrolytic	50V	1	2				
					C2031-2033	0320-1870	Mylar	50V	0.018	5				

Ref. No.	Part No.	Part Name & Description	Pcs/ Set	Remarks	Ref. No.	Part No.	Part Name & Description	Pcs/ Set	Remarks	
C2034,2035	0320-4770	Mylar	50V	0.347	2	R3005	0166-1520	1.5K	1	
C2036	0302-1010	Electrolytic	16V	100	1	R3006	0166-1010	100	1	
C2039	0305-1090	Electrolytic	50V	1	1	R3007	0166-1020	1K	1	
C2040	0302-2210	Electrolytic	16V	220	1	R3008	0167-1020	1/4W	1	
C2041-2043	0330-2230	Ceramic	50V	0.022	3	R3009	0166-1230	12K	1	
C2044,2045	0320-4760	Mylar	50V	0.0047	2	R3010	0166-1810	180	1	
C2046-2048	0320-1020	Ceramic	50V	0.001	3	R3011	0166-3320	3.3K	1	
C2051,2052	0320-1070	Mylar	50V	0.01	2	R3012	0167-5630	1/4W	56K	1
C2053	0302-1000	Electrolytic	16V	10	1	R3013,3014	0166-2230	22K	2	
C2054	0320-2780	Mylar	50V	0.27	1	R3015	0166-6820	-	6.8K	1
C2055	0305-2100	Electrolytic	50V	0.1	1	R3016	0166-5620	5.6K	1	
C2056	0302-1000	Electrolytic	16V	10	1	R3017	0166-2230	22K	1	
C2057	0305-1090	Electrolytic	50V	1	1	R3018	0166-3320	3.3K	1	
C2058	0301-2210	Electrolytic	10V	220	1	R3019	0166-2230	22K	1	
C2059	0303-1006	Electrolytic	25V	10 (NP)	1	R3020	0166-3330	33K	1	
C2060	0302-4700	Electrolytic	16V	47	1	R3021	0167-2740	1/4W	270K	1
C2065	0320-6870	Mylar	50V	0.068	1	R3022	0166-8210	820	1	
C2066	0320-2770	Mylar	50V	0.027	1	R3023	0166-6810	680	1	
C2067	0320-1070	Mylar	50V	0.01	1	R3024	0166-3320	3.3K	1	
C2068	0320-2280	Mylar	50V	0.22	1	R3025	0166-1820	1.8K	1	
C2069,2070	0320-1080	Mylar	50V	0.1	1	R3026	0166-2220	2.2K	1	
C2071	0302-4700	Electrolytic	16V	47	1	R3027	0167-6820	1/4W	6.8K	1
C2072	0303-1006	Electrolytic	25V	10 (NP)	1	R3028	0166-6820	6.8K	1	
C2073	0330-1030	Ceramic	50V	0.01	1	R3029	0166-5620	5.6K	1	
C2074	0302-1000	Electrolytic	16V	10	1	R3030	0166-4720	4.7K	1	
C2075	0330-1030	Ceramic	50V	0.01	1	R3031	0166-5640	560K	1	
C2076	0302-1000	Electrolytic	16V	10	1	R3032	0166-5620	5.6K	1	
C2079	0330-8210	Ceramic	50V	820P	1	R3033	0166-1830	18K	1	
C2080	0330-2230	Ceramic	50V	0.022	1	R3034	0166-1820	1.8K	1	
C2081	0305-1090	Electrolytic	50V	1	1	R3035	0166-1210	120	1	
C2121	0302-1000	Electrolytic	16V	10	1	R3036	0167-1230	1/4W	12K	1
C2201	0350-1210	Ceramic	50V	120P	1	R3039	0166-3320	3.3K	1	
C2202	0330-1510	Ceramic	50V	150P	1	R3040	0166-1020	1K	1	
<u>Coils</u>										
L2001	0632-0266		220μH	1		R3041,3042	0166-1220	1.2K	2	
L2201	0632-1458		82μH	1		R3043	0166-4710	470	1	
<u>Connectors</u>										
P2001	0831-0162	2P	171825-2	1		R3044	0166-3910	390	1	
P2002	0831-0163	3P	171825-3	1		R3050	0166-1020	1K	1	
P2003	0831-0167	7P	171825-7	1		R3051	0166-6820	6.8K	1	
P2004	0831-0166	6P	171825-6	1		R3052	0166-4710	470	1	
P2005	0831-1162	2P	4-171825-2	1		R3053	0166-1030	10K	1	
<u>Relay</u>										
G2V-282P-12VIC										
LUMINANCE, CHROMINANCE & AUDIO SECTION P.C.BOARD										
Chrominance Section										
<u>Integrated Circuits</u>										
IC3001	0079-0990	AN6342N		1		R3075	0166-1020	1K	1	
IC3002	0079-1980	LA7032		1		R3076	0166-3310	330	1	
<u>Transistors</u>										
Q3001-3003	0020-0870	2SC536K(G,F)		3		R3077	0166-4710	470	1	
Q3004	T000-0350	2SA608K(F,G)		1		R3078	0166-2730	27K	1	
Q3005	0020-0870	2SC536K(G,F)		1		R3079	0166-6820	6.8K	1	
Q3006,3012	T020-0500	2SC1740S		2		R3080	0166-3310	330	1	
Q3007-3009	0020-0870	2SC536K(G,F)		3		R3081	0166-1820	1.8K	1	
Q3010	0020-0870	2SC536K(G,H)		1		R3082	0166-1010	100	1	
Q3011	0020-0870	2SC536K(G,F)		1		R3083	0166-2720	2.7K	1	
Q3013-3015	0020-0870	2SC536K(G,P)		3		R3084	0166-3330	33K	1	
Q3016,3017	T000-0350	2SA608K(G,F)		2		R3085	0167-8220	1/4W	8.2K	1
Q3018	T020-0500	2SC1740S		1		R3086	0166-2210	220	1	
Q3019,3020	T020-0500	2SC1740S		2		R3087-3089	0166-1030	10K	3	
<u>Diodes</u>										
D3001-3005	0050-0470	1SS132T-77		5		R3090	0166-1020	1K	1	
D3007,3008	0050-0470	1SS132T-77		2		R3092	0166-1040	100K	1	
D3066	0050-0470	1SS132T-77		1		R3093	0166-1820	1.8K	1	
<u>Resistors</u>										
R3001	0166-1220		1.2K	1		R3094	0166-1030	10K	1	
R3002	0166-5640		560K	1		R3095	0166-1040	100K	1	
R3003	0167-1020		1/4W	1K	1	R3096	0166-1030	10K	1	
R3004	0166-1020		1K	1		R3097	0166-2230	22K	1	
<u>Capacitors</u>										
VR3001 0229-2035										
VR3002 0223-5027										
VR3003 0223-2027										
VR3004 0223-2037										
Semi-Fixed VRP6P01-203N										
Semi-Fixed VPK4-11B5K										
Semi-Fixed VPK4-11B2K										
Semi-Fixed VPK4-11B20K										

Ref. No.	Part No.	Part Name & Description			Pcs/ Set	Remarks	Ref. No.	Part No.	Part Name & Description			Pcs/ Set	Remarks
VR3005	0223-1037	Semi-Fixed	VBK4-11B10K		1		PF3004	0390-0141	GXV-338-1A			1	
VR3006	0223-2027	Semi-Fixed	VBK4-11B2K		1		PF3005	0390-0142	EFC54R17MS5A			1	
VR3010	0229-1025	Semi-Fixed	RVF6P01-102N		1								
		<u>Capacitors</u>							<u>Trimmer</u>				
C3001	0302-4700	Electrolytic	16V 47		1		TC3001	0450-0220	ECV-1ZW40X44			1	
C3002	0330-2230	Ceramic	50V 0.022		1								
C3003	0320-1070	Mylar	50V 0.01		1		X3001	6600-0160	4.435572MHz			1	
C3004	0332-8210	Ceramic	50V 820P(YB)		1		X3002	6600-0110	4.435619MHz			1	
C3005	0330-4720	Ceramic	50V 0.0047		1								
C3006-3009	0330-1030	Ceramic	50V 0.01		4		DL3001	0642-0260	EFD-JR124A33A			1	
C3010	0302-1000	Electrolytic	16V 10		1								
C3011	0330-1030	Ceramic	50V 0.01		1								
C3012	0302-2210	Electrolytic	16V 220		1								
C3013	0320-2270	Mylar	50V 0.022		1								
C3014	0305-4R70	Electrolytic	50V 4.7		1								
C3015	0330-6820	Ceramic	50V 0.0068		1								
C3017	0330-1030	Ceramic	50V 0.01		1								
C3018, 3019	0330-2230	Ceramic	50V 0.022		2								
C3020, 3021	0330-1030	Ceramic	50V 0.01		2								
C3022	0305-R220	Electrolytic	50V 0.22		1								
C3023	0320-1870	Mylar	50V 0.018		1								
C3024	0330-2700	Ceramic	50V 27P		1								
C3025	0330-6810	Ceramic	50V 680P		1								
C3026	0334-8206	Ceramic	50V 82P(NPO)		1								
C3027	0330-1030	Ceramic	50V 0.01		1								
C3028	0330-2230	Ceramic	50V 0.022		1								
C3029	0330-1030	Ceramic	50V 0.01		1								
C3030	0302-4700	Electrolytic	16V 47		1								
C3031	0320-2270	Mylar	50V 0.022		1								
C3032	0332-5610	Ceramic	50V 560P(YB)		1								
C3038	0320-1260	Mylar	50V 0.0012		1								
C3039	0330-1030	Ceramic	50V 0.01		1								
C3040	0334-8206	Ceramic	50V 82P(NPO)		1								
C3041	0334-2206	Ceramic	50V 22P(NPO)		1								
C3042	0334-1206	Ceramic	50V 12P(NPO)		1								
C3043	0320-1870	Mylar	50V 0.018		1		IC4001	0079-1990	LA7033			1	
C3044	0305-3R30	Electrolytic	50V 3.3		1		IC4002	0079-1970	LA7031			1	
C3045	0330-3320	Ceramic	50V 0.0033		1		IC4003	0079-2000	BA7004			1	
C3046	0305-3R30	Electrolytic	50V 3.3		1								
C3047	0305-R330	Electrolytic	50V 0.33		1								
C3048	0302-3300	Electrolytic	16V 33		1								
C3049	0330-5610	Ceramic	50V 560P		1		Q4002-4006	0020-0870	2SC536K(G,F)			5	
C3050	0320-1560	Mylar	50V 0.0015		1		Q4007	T020-1083	2SC2274K(E,F)			1	
C3051	0330-2230	Ceramic	50V 0.022		1		Q4008	0020-0870	2SC536K(G,F)			1	
C3052	0305-R100	Electrolytic	50V 0.1		1		Q4010, 4011	T000-0350	2SA608K(G,F)			2	
C3053, 3054	0330-1030	Ceramic	50V 0.01		2		Q4012, 4013	0020-0870	2SC536K(G,F)			2	
C3055	0330-1800	Ceramic	50V 18P		1		Q4019	0020-0870	2SC536K(G,F)			1	
C3056	0330-2230	Ceramic	50V 0.022		1		Q4020	T020-0500	2SC1740S			1	
C3057	0330-4730	Ceramic	50V 0.047		1		Q4022	0020-0870	2SC536K(G,F)			1	
C3058	0302-4700	Electrolytic	16V 47		1		Q4023	T020-1083	2SC2274K(E,F)			1	
C3059	0330-1030	Ceramic	50V 0.01		1		Q4024	T020-0500	2SC1740S			1	
C3060	0320-1060	Mylar	50V 0.001		1		Q4100	0020-0870	2SC536K(G,F)			1	
C3061, 3062	0330-1030	Ceramic	50V 0.01		2								
C3063	0330-1800	Ceramic	50V 18P		1								
C3064	0330-6810	Ceramic	50V 680P		1		D4002, 4003	0050-0470	1SS132T-77			2	
C3065	0330-2200	Ceramic	50V 22P		1		D4008	0050-0470	1SS132T-77			1	
C3066	0330-2230	Ceramic	50V 0.022		1		D4010	0050-0470	1SS132T-77			1	
C3067	0302-3300	Electrolytic	16V 33		1		D4020	0050-0470	1SS132T-77			1	
C3068	0302-4700	Electrolytic	16V 47		1		D4021	0054-0059	GZA6.8(Y)			1	
C3069	0330-2230	Ceramic	50V 0.022		1								
C3070	0330-1030	Ceramic	50V 0.01		1								
C3071	0320-5670	Mylar	50V 0.056		1								
C3072	0320-5660	Mylar	50V 0.0056		1		R4001	0167-6830		1/4W	68K	1	
C3073	0302-1000	Electrolytic	16V 10		1		R4005	0166-1030			10K	1	
C3074	0330-2230	Ceramic	50V 0.022		1		R4006	0166-2210			220	1	
C3075	0302-4700	Electrolytic	16V 47		1		R4007	0166-5310			330	1	
C3076	0330-4730	Ceramic	50V 0.047		1		R4008	0167-2210		1/4W	220	1	
C3077	0330-8200	Ceramic	50V 82P		1		R4009	0166-1530			15K	1	
		<u>Coils</u>					R4010	0166-4710			470	1	
L3001	0632-1068		100uH		1		R4011	0166-3920			3.9K	1	
L3002	0632-1618		820uH		1		R4015	0166-3210			470	3	
L3003	0632-0266		220uH		1		R4016	0166-1020			820	1	
L3004, 3005	0632-1068		100uH		2		R4017	0166-1030			1K	1	
L3006	0632-0603		6.8mH		1		R4018	0166-1210			10K	1	
L3007	0632-1448		39uH		1		R4019	0166-1030			220	1	
L3008, 3009	0632-1068		100uH		2		R4020	0166-1020			1K	1	
L3010	0632-1048		27uH		1		R4021	0166-3920			3.9K	1	
L3011	0632-1068		100uH		1		R4022	0166-1020			1K	1	
L3012	0632-0603		6.8mH		1		R4023	0166-2720			2.7K	1	
L3013	0632-1068		100uH		1		R4024	0166-5610			560	1	
		<u>Filters</u>					R4025	0166-1030			10K	1	
PF3001	0392-0040	GZV-294-1A			1		R4026	0166-1830			18K	1	
PF3002	0392-0050	ZYV-202-1K			1		R4027	0166-3320			3.9K	1	
PF3003	0390-0140	GZV-377-1B			1		R4028	0166-3310			330	1	
							R4029	0166-1210			120	1	
							R4030, 4031	0166-6820			6.8K	2	
							R4032, 4033	0166-1540			150K	2	
							R4034	0166-2220			2.2K	1	

Ref. No.	Part No.	Part Name & Description	Pcs/ Set	Remarks	Ref. No.	Part No.	Part Name & Description	Pcs/ Set	Remarks
R4035	0166-2210		220	1	C4017	0330-3000	Ceramic	50V	30P
R4036	0167-5610		1/4W	560	C4018	0334-2716	Ceramic	50V	270P(NPO)
R4037	0166-8210			920	C4019	0334-1816	Ceramic	50V	180P(NPO)
R4038, 4039	0166-1000			10	C4020	0330-3330	Ceramic	50V	0.033
R4040	0166-8210			820	C4021	0330-7090	Ceramic	50V	7P
R4041	0166-1030			10K	C4022	0330-2230	Ceramic	50V	0.022
R4042	0166-2230			22K	C4023	0302-1000	Electrolytic	16V	10
R4043	0167-1020			1K	C4024	0330-3330	Ceramic	50V	0.033
R4044, 4045	0166-1020			1K	C4025	0334-1516	Ceramic	50V	150P(NPO)
R4046	0166-8230			82K	C4026	0334-1506	Ceramic	50V	15P(NPO)
R4047	0166-1030			10K	C4027	0302-4700	Electrolytic	16V	47
R4048	0166-3910			390	C4028, 4029	0330-2230	Ceramic	50V	0.022
R4049	0166-1500			15	C4030	0305-1000	Electrolytic	50V	10
R4050	0167-3520			3.3K	C4031	0330-2230	Ceramic	50V	0.022
R4051	0166-3320			3.3K	C4034	0305-1090	Electrolytic	50V	1
R4052	0166-3900			39	C4035	0330-2230	Ceramic	50V	0.022
R4053	0166-3910			390	C4036	0305-1090	Electrolytic	50V	1
R4054	0166-1830			18K	C4037	0330-2230	Ceramic	50V	0.022
R4060	0167-2720			2.7K	C4038	0330-3300	Electrolytic	50V	35P
R4062	0166-6810			680	C4039	0330-2230	Ceramic	50V	0.022
R4063	0166-7020			1K	C4040	0330-1210	Ceramic	50V	120P
R4064	0166-1530			15K	C4041	0330-2230	Ceramic	50V	0.022
R4065	0166-8210			820	C4042	0302-4700	Electrolytic	16V	47
R4066	0166-1020			1K	C4043	0330-2230	Ceramic	50V	0.022
R4067	0167-2210			220	C4044, 4045	0305-1090	Electrolytic	50V	1
R4068	0166-1830			18K	C4046	0330-1030	Ceramic	50V	0.01
R4069	0166-8210			820	C4047	0302-4700	Electrolytic	16V	47
R4070	0166-2240			220K	C4048	0330-2230	Ceramic	50V	0.022
R4071	0166-1040			100K	C4049	0330-2230	Ceramic	50V	0.022
R4072	0166-2230			22K	C4050	0302-4700	Electrolytic	16V	47
R4073, 4074	0166-1030			10K	C4051	0330-2230	Ceramic	50V	0.022
R4075	0166-4710			470	C4052	0330-3330	Ceramic	50V	0.033
R4076	0167-4710			470	C4053	0302-1000	Electrolytic	16V	10
R4087	0166-1010			100	C4054	0305-3R30	Electrolytic	50V	3.3
R4088	0166-6810			680	C4055	0330-3330	Ceramic	50V	0.033
R4089	0166-8220			8.2K	C4056	0302-4700	Electrolytic	16V	47
R4090	0167-1550			1.5M	C4057	0330-2230	Ceramic	50V	0.022
R4091	0166-1030			10K	C4058	0305-4R70	Electrolytic	16V	47
R4092, 4093	0166-2230			22K	C4059	0330-3910	Ceramic	50V	390P
R4094	0166-1840			180K	C4060	0302-2200	Electrolytic	16V	22
R4095	0166-3940			390K	C4061	0330-8200	Ceramic	50V	82P
R4096-4098	0166-3920			3.9K	C4062	0330-1030	Ceramic	50V	0.033
R4106	0166-1030			10K	C4063	0305-4R70	Electrolytic	50V	0.01
R4107	0166-7500			75	C4064	0305-4R70	Electrolytic	50V	4.7
R4108	0166-1210			120	C4065	0330-4710	Ceramic	50V	470P
R4109	0166-1530			15K	C4066	0305-4R70	Electrolytic	50V	150P
R4110	0166-1010			100	C4067	0302-2200	Electrolytic	16V	22
R4111	0166-3320			3.3K	C4068	0330-2230	Ceramic	50V	0.022
R4112	0166-1030			10K	C4069	0305-R470	Electrolytic	50V	0.47
R4113	0166-1020			1K	C4070	0320-6860	Mylar	50V	0.0068
R4114, 4115	0166-1030			10K	C4071	0305-1010	Electrolytic	50V	1
R4117	0166-1030			10K	C4072	0305-1010	Electrolytic	50V	0.1
R4121	0166-3930			39K	C4073	0305-1010	Electrolytic	50V	0.1
R4122	0166-1530			15K	C4074	0305-1010	Electrolytic	50V	0.1
R4123	0166-1220			1.2K	C4075	0305-1010	Electrolytic	50V	0.1
R4124	0166-1020			1K	C4076	0305-1010	Electrolytic	50V	0.0047
R4125	0166-8210			820	C4077	0305-1010	Electrolytic	50V	47
R4126	0166-4710			470	C4078, 4079	0305-1010	Electrolytic	50V	47
R4127	0166-6800			68	C4080	0305-1010	Electrolytic	50V	100P
R4128	0166-2710			270	C4081	0305-1010	Electrolytic	50V	82P
R4131	0166-5610			560	C4082	0305-1010	Electrolytic	50V	150P
R4132-4134	0166-1030			10K	C4083	0305-1010	Electrolytic	50V	220P
R4138	0166-1520			1.5K	C4084	0305-1010	Electrolytic	50V	0.1
R4141	0166-3940			390K	C4085	0305-1010	Electrolytic	50V	0.47
R4200	0166-1030			10K	C4086	0305-1010	Electrolytic	50V	0.0047
R4201	0166-1020			1K	C4087	0305-1010	Electrolytic	50V	47
VR4001	0229-1035	Semi-Fixed	RVF6P01-103N	1	C4088	0305-1010	Electrolytic	50V	0.1
VR4002	0229-5025	Semi-Fixed	RVF6P01-502N	1	C4089	0305-1010	Electrolytic	50V	56P
VR4003	0229-1035	Semi-Fixed	RVF6P01-103N	1	C4090	0305-1010	Electrolytic	50V	220P
VR4004	0229-2025	Semi-Fixed	RVF6P01-202N	1	C4091	0305-1010	Electrolytic	50V	0.0047
VR4005	0223-1027	Semi-Fixed	V8K4-11B1K	1	C4092	0305-1010	Electrolytic	50V	1
VR4006	0223-5017	Semi-Fixed	V8K4-11B500	1	C4093	0305-1010	Electrolytic	50V	1
VR4007, 4008	0223-1037	Semi-Fixed	V8K4-11B10K	2	C4094	0305-1010	Electrolytic	50V	1
<u>Coils</u>									
C4001	0330-3330	Ceramic	50V	0.033	L4001, 4002	0632-1077		8.2μH	2
C4002	0330-1030	Ceramic	50V	0.01	L4003	0632-1068		100μH	2
C4003	0302-4700	Electrolytic	16V	47	L4005	0632-1448		39μH	1
C4004	0330-2230	Ceramic	50V	0.022	L4006	0632-1138		10μH	1
C4005	0330-1030	Ceramic	50V	0.01	L4007	0632-1178		56μH	1
C4006	0330-2230	Ceramic	50V	0.022	L4008	0632-1468		150μH	1
C4007	0302-4700	Electrolytic	16V	47	L4009	0632-1068		100μH	1
C4008	0330-6800	Ceramic	50V	68P	L4010	0632-1448		39μH	1
C4009	0330-5100	Ceramic	50V	51P	L4011	0632-1068		100μH	1
C4010	0330-2700	Ceramic	50V	27P	L4012	0632-1368		330μH	1
C4011	0330-1210	Ceramic	50V	120P	L4013, 4014	0632-1068		100μH	2
C4012	0330-4710	Ceramic	50V	470P	L4018	0632-1068		100μH	1
C4013	0330-3530	Ceramic	50V	0.033	L4020	0632-1068		100μH	1
C4014	0305-8470	Electrolytic	50V	0.47	L4021	0632-1148		47μH	1
C4015, 4016	0330-3330	Ceramic	50V	0.033	L4028	0632-0266		220μH	1
<u>Filters</u>									
PF4001	0390-0145	Trap			PF4001	0390-0145	Trap	304993036	1
PF4002	0392-0060				PF4002	0392-0060		GYZ-402-1A	1
PF4004	0392-0070				PF4004	0392-0070		GYZ-275-1M	1

Ref. No.	Part No.	Part Name & Description	Pcs/ Set	Remarks	Ref. No.	Part No.	Part Name & Description	Pcs/ Set	Remarks
SW4001	0712-6030	<u>Switch</u> HSW0339-01-200	1		C5011-5012	0302-1000	Electrolytic	16V	10
					C5013	0300-1010	Electrolytic	5.3V	100
X4001	6610-0030	<u>Crystal</u> Ceramic OSC	1		C5014	0320-1280	Mylar	50V	0.12
DL4001	0642-0270	EPD-EN645A11E	1		C5015	0302-1000	Electrolytic	16V	10
DL4002	0390-0143	GZV-575-2P	1		C5016	0305-1090	Electrolytic	50V	1
DL4003	0390-0146	GZV-570-2G	1		C5017	0320-3360	Mylar	50V	0.0033
					C5018	0330-1810	Ceramic	50V	180P
					C5019	0305-R350	Electrolytic	50V	0.33
					C5020-5025	0302-1000	Electrolytic	16V	10
					C5026	0302-4700	Electrolytic	16V	47
					C5028	0381-2260	Polypropylene	630V	0.0022
					C5029	0320-8260	Mylar	50V	0.0082
					C5030	0320-6860	Mylar	50V	0.0068
					C5031	0320-4760	Mylar	50V	0.0047
							<u>Coils</u>		
IC5001	0079-1330	<u>Integrated Circuits</u> AN262	1		L5001	0632-0597			2.2mH
					L5002	0632-0586			1mH
					L5003	0632-0266			220uH
							<u>Transformer</u>		
Q5001, 5002	0020-1090	2SC2362K(F,G,H)	2		T5001	0630-0481	Bias OSC	RB-20938	1
Q5003	0000-0450	2SA1016K	1						
Q5004	0020-1031	2SC1571	1				<u>Trimmer</u>		
Q5005, 5006	T020-0198	2SC945AT(P,Q,K)	2		TC5001	0450-0007	C-1P-13V		1
Q5007, 5008	T020-0382	2SC2001T(L,K)	2						
Q5009	T020-0198	2SC945AT(P,Q,K)	1				<u>TIMER P.C.BOARD</u>		
Q5010	T000-0145	2SA733AT(P,Q,K)	1				<u>Integrated Circuit</u>		
Q5011	0020-0270	2SC1317(R,S)	1		IC601	0079-1320	OEC0001		1
					IC602	6620-0010	LQT-60X	Time Base Module	1
							<u>Transistors</u>		
R5001	0166-3320	<u>Diodes</u> 3.3K	1						
R5002	0166-8210	820	1				<u>Diodes</u>		
R5003	0166-5620	5.6K	1		D601	0050-0440	ISS120TE		4
R5004	0166-3330	33K	1		D602	0054-0191	RD5.1EB		1
R5005	0166-1020	1K	1		D605	0054-0050	RD6.3EB		1
R5006	0166-3320	3.3K	1		D606	0050-0440	ISS120TE		1
R5007	0166-3330	33K	1		D608	0050-0440	ISS120TE		3
R5008	0167-3350	1/4W	33K	1	D610-612	0050-0440	ISS120TE		3
R5009	0166-1030	10K	1		D614-616	0050-0440	ISS120TE		3
R5010	0166-1810	180	1		D618-623	0050-0440	ISS120TE		6
R5011	0166-3920	3.9K	1				<u>Resistors</u>		
R5012	0166-6830	68K	1		R601	0166-2220			2.2K
R5014	0166-2250	22K	1		R602	0166-1030			10K
R5015	0166-3320	3.3K	1		R603	0166-5630			56K
R5016	0166-2230	22K	1		R604	0166-1040			100K
R5017	0166-3320	3.3K	1		R605	0166-1050			1M
R5018	0166-1830	18K	1		R606	0166-1020			1K
R5019	0166-1040	100K	1		R607	0166-4730			47K
R5020	0166-1020	1K	1		R608-617	0166-1030			10K
R5021	0166-1830	18K	1				<u>Capacitors</u>		
R5022	0166-3330	33K	1		C501	0302-1000	Electrolytic	16V	10
R5023	0166-8240	820K	1		C502	0350-1030	Ceramic	50V	0.01
R5024	0166-4700	47	1		C605, 606	0330-2210	Ceramic	50V	220P
R5025	0166-2220	2.2K	1		C607	0330-1030	Ceramic	50V	0.01
R5026	0166-1030	10K	1		C608	0305-4700	Electrolytic	50V	47
R5027	0166-5620	5.6K	1				<u>Switches</u>		
R5028	0166-1050	1M	1		SW601	0702-7040	Power	HAW0500-01-020	1
R5029	0166-3320	3.3K	1		SW602	0701-7050	Timer Set	HAW0500-01-200	1
R5031	0167-1020	1/4W	1K	1	SW603	0711-2340	Slide	HSW0529-01-010	1
R5032	0167-4730	1/4W	47K	1	SW605-607	0785-4011	Tact	KHH10902	3
R5033	0166-1220		1.2K	1	SW609-611	0785-4011	Tact	KHH10902	3
R5034	0166-1020		1K	1	CR601	6610-0010	OSC Element	CSB400P	1
R5035	0166-1830		18K	1	DP601	1612-0080	Digitron	FIP8KM8	1
R5036	0166-3320		3.3K	1					
R5037, 5038	0166-2250		22K	2					
R5039	0166-3320		3.3K	1					
R5040	0167-1030		10K	1					
R5041	0166-1030		10K	1					
R5042	0166-3330		33K	1					
R5043	0166-4710		470	1					
R5044	0167-4780		1/4W	4.7					
R5045	0166-1010		100	1					
R5046	0166-1230		12K	1					
VR5001	0223-5027	Semi-Fixed	V8K4-11B5X	1					
		<u>Capacitors</u>							
C5001	0302-1010	Electrolytic	16V	100					
C5002	0302-1006	Electrolytic	16V	10(NP)					
C5003	0320-1060	Mylar	50V	0.001					
C5004	0300-3300	Electrolytic	6.3V	33					
C5005	0320-3370	Mylar	50V	0.033					
C5006-5008	0302-1000	Electrolytic	16V	10					
C5009	0305-1090	Electrolytic	50V	1					
C5010	0305-R220	Electrolytic	50V	0.22					

Ref. No.	Part No.	Part Name & Description	Pcs/ Set	Remarks	Ref. No.	Part No.	Part Name & Description	Pcs/ Set	Remarks
		<u>TV DEMODULATOR P.C.BOARD</u>			R6072	0166-4720		4.7K	1
		<u>Integrated Circuits</u>			R6073	0166-1530		15K	1
IC6001	0079-1250	LA7900	1		R6076	0166-5630		56K	1
IC6002	0079-1340	LA7505	1		R6077	0167-1530		15K	1
IC6003	0073-0160	μPC1391	1	⚠	R6078	0166-2210		220	1
IC6004	0073-0220	L-5630	1	⚠	R6079	0166-1840		180K	1
IC6005	0079-1920	LA7808	1		R6080	0166-1230		12K	1
IC6006	0079-1910	LA7912	1		R6081, 6082	0166-4720		4.7K	2
		<u>Transistors</u>			R6083	0166-6830		68K	1
Q6002	T020-0630	2SC588A	1		R6086	0166-4720		4.7K	1
Q6003	0020-0876	2SC536K(F)	1		R6087	0166-8230		82K	1
Q6004, 6005	0020-0943	2SC930D	2		R6088	0166-1040		100K	1
Q6006	0020-1080	2SC2274	1		R6089	0162-8210	Vertical	1/4W	820
Q6007	T030-0392	2SD1734(F, G)	1		R6090	0166-4720		4.7K	1
Q6008-6010	0020-0876	2SC536K(F)	3		R6091	0166-3340		330K	1
Q6011	T000-0350	2SA608(F)	1		VR6001-6008	0272-1060	Potention Meter	POPPMBAD	1
		<u>Diodes</u>			VR6013	0223-5027	Semi-Fixed	EVN52JA00B53/5K	1
D6013-6020	0050-0440	1SS120TE	8		VR6014	0223-2027	Semi-Fixed	EVN52JA00B23/2K	1
D6026, 6027	0050-0440	1SS120TE	2		VR6015	0223-3027	Semi-Fixed	EVN52JA00B33/3K	1
D6030, 6031	0050-0440	1SS120TE	2		VR6016	0223-2027	Semi-Fixed	EVN52JA00B23/2K	1
D6204-6211	0063-0170	TLG113A	8				<u>Capacitors</u>		
D6216-6223	0050-0440	1SS120TE	8		C6001	0330-1030	Ceramic	50V	0.01
		<u>Resistors</u>			C6002	0330-2232	Ceramic	25V	0.022
R6001	0166-2210		220	1	C6004, 6005	0330-1030	Ceramic	50V	0.01
R6002	0166-5620		5.6K	1	C6006	0330-1020	Ceramic	50V	0.001
R6003	0166-1020		1K	1	C6007	0330-1030	Ceramic	50V	0.01
R6004	0166-4710		470	1	C6008	0302-1000	Electrolytic	16V	10
R6005	0166-2700		27	1	C6009, 6010	0330-1030	Ceramic	50V	0.01
R6007	0167-1020		1/4W		C6012	0305-1090	Electrolytic	50V	1
R6008	0108-2210	1K	1	C6015	0330-2230	Ceramic	50V	0.022	
R6009	0167-2230	220	1	C6014	0302-1010	Electrolytic	16V	100	
R6010	0167-2730	1/4W	22K	1	C6017	0334-8206	Ceramic	50V	82P(NPO)
R6011	0166-5610	1/4W	27K	1	C6018	0330-1030	Ceramic	50V	0.01
R6012	0167-1030	560	1	C6019	0302-4700	Electrolytic	16V	47	
R6013	0167-4710	1/4W	10K	1	C6020, 6021	0330-2000	Ceramic	50V	20P
R6015	0171-1005	470	1	C6022	0330-4730	Ceramic	50V	0.047	
R6016	0166-3320	1/4W	10	1	C6023	0330-1030	Ceramic	50V	0.01
R6017	0166-1020		3.3K	1	C6024	0320-4770	Mylar	50V	0.047
R6018	0166-1810		1K	1	C6025	0302-1000	Electrolytic	16V	10
R6019	0167-3310	180	1	C6026	0330-2200	Ceramic	50V	22P	
R6020	0166-2710	1/4W	330	1	C6027	0330-2230	Ceramic	50V	0.022
R6021	0167-2220	270	1	C6028	0302-1010	Electrolytic	16V	100	
R6022	0166-1020	1/4W	2.2K	1	C6029	0330-8200	Ceramic	50V	82P
R6023	0166-3310	1K	1	C6030	0302-1000	Electrolytic	16V	10	
R6024	0166-4720	530	1	C6031	0334-3906	Ceramic	50V	39P(NPO)	
R6025	0166-2710	4.7K	1	C6032	0302-4700	Electrolytic	16V	47	
R6026	0166-3910	270	1	C6033	0320-1060	Mylar	50V	0.001	
R6027	0171-1005	390	1	C6034	0301-1020	Electrolytic	10V	1000	
R6028	0167-1030	Fuse	1/4W	10	C6035	0302-2210	Electrolytic	16V	220
R6029	0166-4730	1/4W	10K	1	C6036	0330-1030	Ceramic	50V	0.01
R6030	0167-5620	47K	1	C6037	0330-5610	Ceramic	50V	560P	
R6031	0167-3320	1/4W	5.6K	1	C6038	0302-2826	Electrolytic	16V	2.2 (NP)
R6032	0166-5610	1/4W	3.3K	1	C6039	0320-4770	Mylar	50V	0.047
R6033	0166-2730	560	1	C6040	0302-1010	Electrolytic	16V	100	
R6034	0166-8210	27K	1	C6041	0330-1030	Ceramic	50V	0.01	
R6035	0166-2230	820	1	C6042	0305-1090	Electrolytic	50V	1	
R6036	0166-1530	22K	1	C6043	0330-1030	Ceramic	50V	0.01	
R6037	0167-2720	15K	1	C6044	0330-1010	Ceramic	50V	100P	
R6038	0167-1820	1/4W	2.7K	1	C6050	0330-1030	Ceramic	50V	0.01
R6039	0171-1005	1/4W	1.8K	1	C6051	0302-1010	Electrolytic	16V	100
R6040	0108-1810	Fuse	1/4W	10	C6052	0305-1090	Electrolytic	50V	1
R6041	0166-6800	180	1	C6053	0320-1070	Mylar	50V	0.01	
R6042	0167-1220	68	1	C6054	0320-1060	Mylar	50V	0.001	
R6043	0166-1010	1/4W	1.2K	1	C6056	0330-5620	Ceramic	50V	0.0056
R6044, 6045	0166-1030	100	1	C6057	0330-1020	Ceramic	50V	0.001	
R6046	0166-5640	10K	2	C6058	0305-4R70	Electrolytic	50V	4.7	
R6047, 6048	0166-3330	560K	1	C6059	0320-1060	Mylar	50V	0.001	
R6049	0167-8220	33K	2	C6060	0305-R470	Electrolytic	50V	0.47	
R6050	0167-1540	8.2K	1	C6101	0305-4R70	Electrolytic	50V	4.7	
R6054	0167-2220	150K	1	C6102	0330-1030	Ceramic	50V	4.7	
R6055	0120-1825	1/4W	2.2K	1	C6103	0305-4R70	Electrolytic	50V	0.01
R6056	0167-6810	2W	1.6K	1	C6104	0302-4700	Electrolytic	16V	47
R6057	0166-3910	680	1	C6105	0330-1030	Ceramic	50V	0.01	
R6058	0167-1020	390	1	C6106	0305-4R70	Electrolytic	50V	4.7	
R6061	0166-1540	1/4W	1K	1	C6107-6109	0330-1030	Ceramic	50V	0.01
R6070	0166-3320	150K	1	C6120	0305-R470	Electrolytic	50V	0.47	
R6071	0166-1020	3.3K	1						
		1K	1						

Ref. No.	Part No.	Part Name & Description	Pcs/ Set	Remarks
<u>Coils</u>				
L6002	0632-1338	1mH	1	
L6003	0632-1408	1.5μH	1	
L6004	0632-1358	15μH	1	
L6005, 6006	0632-1258	22μH	2	
<u>Transformers</u>				
T6001	0602-2750	16084SU	1	
T6002	0602-2813	16091MM	1	
T6003	0602-2823	16092MM	1	
<u>Switch</u>				
SW6001-6008	0704-7040	Tact	SK1005-081Q	1
SW6009	0770-0500	AFC	ESE-153A	1
<u>Filters</u>				
CF6001	0390-0029	Ceramic Trap	EPC85R5MW3	1
CF6002	0390-0052	Ceramic Filter	EPC85R5MS3	1
CF6003	0390-0064	Discriminator	CDA5R5MC19	1
SF6001	0390-0114	SAW Filter	TSF1303C	1
-	0440-0135	Tuner	ENV77357F2	1
-	0442-0010	RF Converter	ENC-17576	1
-	0441-0020	ANT Booster	ENP-E730-1	1
FRONT OPERATION P.C.BOARD				
<u>Transistors</u>				
Q1201-1203	0000-0145	2SA735A		3
<u>Diodes</u>				
D1201	0062-0530	TLR113A		1
D1202	0066-0360	TLO113A		1
D1203	0065-0170	TLG113A		1
D1204, 1205	0062-0530	TLR113A		2
D1206-1219	0050-0300	GM401-04BT		14
<u>Resistors</u>				
R1201	0166-1520		1.5K	1
R1202, 1203	0166-6810		680	2
R1204	0166-1520		1.5K	1
R1205, 1206	0166-1830		18K	2
R1207	0166-1520		1.5K	1
R1208, 1209	0166-1040		100K	2
R1210, 1211	0166-3330		33K	2
<u>Switch</u>				
SW1201,1202 1204-1209	0789-0120	Push	EVQ-PYY12K	8
SW1203 (SW1201-1209)	0789-5010 0789-5010	Push Push	EVQ-PXY04K EVQ-PXY04K	1 9)
PHOTO SENSOR SECTION P.C.BOARD				
<u>Transistors</u>				
Q1551, 1552	0060-0010	PN150NV		2
REEL SENSOR P.C.BOARD				
<u>Integrated Circuits</u>				
IC1551,1552	0079-0391	IN6836N		2
OUTPUT JACK P.C.BOARD				
-	1326-5000	RF Cord	DSP-DPP	3
REMOTE JACK P.C.BOARD				
-	0823-1000	Remote Jack	TCS7650-01-101	1

## VOLTAGE

\*\*\*\*\*

IC1001 (OEC0002)

	STOP	PLAY	REW	F.F.	VSF	VSR	REC/PLAY	PLAY/PAUSE	REC/PLAY/PAUSE	POWER OFF
1	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	-0	0
3	0	0	10.7	0	0	10.7	0.2	0	10.6	0
4	0	0	0	10.7	0	0	0	0	10.6	0
5	10.6	10.5	10.5	10.5	10.5	10.5	0	10.5	10.5	0
6	0	0	0	0	0	0	0	10.2	0	0
7	-	-	-	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-	-	-	-
10	0	10.6	0	0	10.6	10.6	0	10.6	0	0
11	0	0	0	0	0	0	10.6	0	10.6	0
12	0	0	10.6	0	0	0	0	0	0	0
13	0	0	0	10.6	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0
16	0	10.5	0	0	10.6	10.6	10.6	10.5	10.5	0
17	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0
19	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.8
20	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
21	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0	10.1
22	10.1	0	0	0	0	0	0	0	0	0
23	10.1	0.1	0.1	0.1	0.1	0	0	0.1	0.1	0
24	0	0	0	0	0	0	0	0	0	0
25	-	-	-	-	-	-	-	-	-	-
26	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0
29	7.1	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.1
30	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6
31	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.8
32	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.8
33	0.1	0	0.1	0.1	0	0	0	0	0	0.1
34	0	0.1	0	0	0.1	0.1	0.1	0	0	0
35	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
36	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

	STOP	PLAY	REW	F.F.	VSF	VSR	REC/PLAY	PLAY/PAUSE	REC/PLAY/PAUSE	POWER OFF
37	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
38	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
39	-	-	-	-	-	-	-	-	-	-
40	-	-	-	-	-	-	-	-	-	-
41	-	-	-	-	-	-	-	-	-	-
42	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
43	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
44	0.1	4.6	9.2	9.2	4.6	4.6	4.6	4.6	4.6	0
45	10.4	-	-	5.1	-	-	-	10.4	0	0
46	0	0	0	0	0	0	0	0	0	0
47	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0	0.1
48	0	0	0	0	0	0	0	0	0.1	0
49	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	0	10.8
50	0	0	10.6	10.6	0	0	0	0	0	0
51	0	0	0	0	0	0	0	0	0	0
52	0	10.6	0	0	10.6	10.6	10.6	0	0	0
53	0	0	0	0	0	0	0	0	0	0
54	0	0	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0	0	0
56	-	-	-	-	-	-	-	-	-	-
57	-	-	-	-	-	-	-	-	-	-
58	-	-	-	-	-	-	-	-	-	-
59	0	0	0	0	0	0	0	0	0	0
60	0	0	0	0	0	0	0	0	0	0
61	0	0	10.7	0	0	0	0	0	0	0
62	0.7	0.1	0.2	0.8	0.1	0.1	0.2	10.6	0	10.7
63	10.7	0	10.7	10.7	0	0	0	0	0	10.7
64	10.7	0	10.7	10.7	0	0	0	10.6	0	10.7

IC1002 (TD62105P)

1	0	0	0	0	0	0	0	0	0	0
2	0	10.5	0	0	10.5	10.6	10.6	10.5	10.5	0
3	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	10.6	0	10.6	0
5	0	10.6	0	0	10.6	10.6	0	10.6	0	0
6	0	0	0	0	0	0	0	10.2	10.2	0
7	6.4	6.3	6.4	6.4	6.4	6.4	6.5	6.4	6.4	0
8	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0

	STOP	PLAY	REW	F.F.	VSF	VSR	REC/PLAY	PLAY/PAUSE	REC/PLAY/PAUSE	POWER OFF
10	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	10.5
11	0.2	0.1	0.2	0.2	0.1	0.1	0.2	0.6	0.6	10.7
12	12.3	0.7	12.2	12.2	0.7	0.7	11.5	0.7	11.5	12.3
13	13.1	13.0	13.1	13.1	13.1	13.0	0.7	13.1	0.7	13.1
14	9.1	9.0	9.1	9.1	9.0	9.1	9.1	9.0	9.0	9.1
15	12.3	0.6	12.2	12.2	0.6	0.6	0.7	0.6	0.7	12.3
16	8.9	8.9	8.9	8.9	8.9	8.9	8.9	9.0	8.9	9.0

IC1003 ( $\mu$ PA53C)

1	0	0	0	0	0	0	0	0	0	0
2	0	0	10.7	0	0	0	0	0	10.6	0
3	0	0	0	10.7	0	0	0	0	10.6	0
4	0	0	10.7	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0
9	13.1	13.1	13.1	13.1	13.1	13.1	0	13.1	13.1	13.2
10	13.1	13.1	13.1	13.1	13.1	13.1	0	13.1	13.1	13.2
11	13.1	13.1	0.8	13.1	13.1	13.1	0	13.1	13.1	13.2
12	0.1	0.8	0.1	0.5	0.7	0.2	0	0	0.4	0.5
13	0.1	0.8	0.5	0.6	0.7	0.7	0	0	0.5	0.5
14	0	0	0	0	0	0	0	0	0	0

IC1004 (STA401A)

1	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0
3	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.2
4	0	0	0	0	0	0	0	0	0	0
5	17.9	0.7	17.3	17.5	0.6	0.2	0.4	0	0.1	20.5
6	0	0	0	0	0	0	0	0	0	0
7	13.1	13.1	13.1	13.1	13.1	13.1	-	13.1	13.1	13.2
8	0	0	0	0	0	0	0	0	0	0
9	13.1	13.1	13.1	13.1	13.1	13.1	-	13.1	13.1	13.2
10	0	0	0	0	0	0	0	0	0	0

	STOP	PLAY	REW	F.F.	VSF	VSR	REC/PLAY	PLAY/PAUSE	REC/PLAY/PAUSE	POWER OFF
IC1005 (HD140135P)										
1	10.4	10.4	10.7	10.4	10.4	10.4	10.4	10.4	10.4	10.4
2	0	0	0	0	0	0	0	0	0	0
3	10.4	-	5.0	5.0	5.0	-	-	10.4	0	0
4	0	0	0	0	0	0	0	0	0	0
5	8.9	-	4.4	4.4	4.4	-	-	8.9	0	0
6	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0
8	10.7	10.6	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
9	0	0	0	0	0	0	0	0	0	0
10	8.9	-	4.3	4.3	4.3	-	-	8.9	0	0
11	0	0	0	0	0	0	0	0	0	0
12	10.4	-	-	5.0	5.0	-	-	10.4	-	0
13	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.8
14	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.8
IC1006 (AN6350)										
1	12.0	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	0
2	7.6	7.5	7.6	7.6	7.6	7.6	1.7	7.5	1.7	0
3	0.7	0.6	0.6	0.7	0.6	0.6	0	0.7	0.6	0
4	1.5	1.5	1.5	1.5	1.5	1.5	7.5	1.5	7.5	0
5	0	0	0	0	0	0	0	0	0	0
6	1.5	1.5	1.5	1.5	1.5	1.5	6.0	1.5	6.0	0.4
7	0	0	0	0	0	0	0	0	0	0
8	0.9	3.0	0.9	0.9	3.2	3.0	3.1	3.1	3.2	0
9	0.3	2.5	0.3	0.3	2.6	2.5	2.5	2.6	2.6	0
10	0	0	0	0	0	0	0.2	0.2	0.2	0
11	0	1.5	0	0	1.6	1.5	1.5	1.6	1.6	0
12	0	0	0	0	0	0	0	0	0	0
13	8.4	1.3	0	0	1.3	1.3	1.3	1.3	1.3	0
14	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	0
15	0.5	5.4	0.5	0.5	4.5	5.2	-	5.0	4.6	0
16	0	6.0	0	0	5.6	5.8	-	5.5	5.1	0
17	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	0
18	5.6	5.5	5.5	5.6	5.5	5.4	5.5	5.5	5.5	0
19	0.1	0.2	0.1	0.1	0.1	0.2	0	0.2	0.2	0
20	0.1	5.1	13.0	0.1	0.1	5.1	5.1	5.1	5.1	0
21	0.1	5.6	0.1	0.1	0.1	5.6	5.6	5.5	5.6	0
22	11.9	5.6	11.9	11.9	5.6	5.6	5.6	5.5	5.5	0
23	0	-2.4	0	0	-2.4	-2.4	-2.4	-2.4	-2.4	0
24	11.4	13.4	11.4	11.4	13.4	13.4	13.4	13.4	13.4	0
25	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0
26	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0
27	4.1	4.0	4.1	4.1	4.0	4.1	4.1	4.0	4.1	0
28	0	0	0	0	0	0	6.9	0	7.0	0

	STOP	PLAY	REW	F.F.	VSF	VSR	REC/PLAY	PLAY/PAUSE	REC/PLAY/PAUSE	POWER OFF
IC2002 (HD14052B)										
1	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	0
2	10.9	8.8	8.4	8.4	8.8	8.8	8.8	8.3	8.8	0
3	11.9	11.9	11.9	12.0	11.9	11.9	11.9	11.9	12.0	0
4	10.9	8.8	8.4	8.4	8.8	8.8	8.8	8.8	8.8	0
5	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	0
6	0	0	0	0	0	0	0	0	-0	0
7	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0
10	0	0	10.6	0	0	0	0	0	0	0
11	0.8	4.8	0.8	0.8	4.3	5.0	5.0	4.7	4.3	0.1
12	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0
15	0.8	4.8	0.8	1.2	4.3	5.0	5.0	4.7	4.3	0.1
16	11.9	11.9	11.9	12.0	11.9	11.9	11.9	11.9	12.0	0
IC2003 (HB14081BP)										
1	10.7	5.4	10.7	10.7	5.4	5.4	5.4	5.4	-	10.7
2	0	0	0	0	0	0	0	10.2	0	0
3	0	0	0	0	0	0	0	5.4	0	0
4	0	0	0	0	0	0	0	5.4	0	0
5	0	0	0	0	0	0	0	10.7	0	0
6	0.1	-	0.1	0.1	5.0	5.0	5.0	5.0	5.0	0
7	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0
9	0.1	-	0.1	0.1	5.0	5.0	5.0	5.0	5.0	0
10	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	10.2	0
13	0	10.6	0	0	10.6	10.6	0	10.6	0	0
14	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.8
IC2004 (HD14538BP)										
1	0	0	0	0	0	0	0	0	0	0
2	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.3	10.6	10.7
3	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
4	0	0	0	0	0	0	0	0	0	0
5	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.5	10.6	10.7
6	0	0	0	0	0	0	0	0.3	0	0
7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.4	10.7	10.8
8	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	10.6	0	0
10	10.7	10.7	10.7	10.7	10.7	10.7	10.7	0.1	10.7	10.8
11	10.6	10.5	10.6	10.6	10.6	10.5	10.5	10.5	10.5	10.7
12	0	0	0	0	0	0	0	0	0	0
13	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.8
14	0.1	0.1	0	0.1	0.1	0.1	0	10.3	0	0
15	0	0	0	0	0	0	0	0	0	0
16	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.8

	STOP	PLAY	REW	F.F.	VSF	VSR	REC/PLAY	PLAY/PAUSE	REC/PLAY/PAUSE	POWER OFF
IC2005 (OEC2001)										
1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.2
2	0	2.6	9.6	9.7	2.9	2.6	2.7	0	0	0
3	0	2.0	8.9	9.0	2.2	2.0	2.0	0	0	0
4	0	0	0	0	0	0	0	0	0	0
5	0.6	0.4	0.5	0.5	0.5	0.2	0.4	0.6	0.4	0
6	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0
8	0	0	10.6	10.6	0	0	0	0	0	0
9	0	10.6	0	0	10.6	10.6	10.6	0	0	0
10	0	0	0	0	0	0	0	0	0	0
11	0	0.6	1.3	1.4	0.9	0.6	0	0	0	0
12	0	7.4	0	0	7.3	7.4	7.4	0	0	0
13	0	0	8.3	8.4	0.1	0	0	0	0	0
14	0	0	10.6	10.6	0	0	0	0	0	0
15	0	2.3	0	0	2.2	2.3	2.3	0	0	0
16	0	2.3	8.3	8.4	2.3	2.3	2.3	0	0	0
17	0	0	0	0	0	0	0	0	0	0
18	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8

IC2006 (HA17458)										
1	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	0
2	0	-0.1	-0.1	0	0	0	0	0	0	0
3	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0
4	0	0	0	0	0	0	0	0	0	0
5	3.8	3.8	3.8	3.8	3.8	0	3.8	3.8	3.8	0
6	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	0
7	10.8	10.8	10.4	8.0	2.4	2.4	2.4	10.9	2.5	0
8	12.0	12.0	12.0	12.0	12.0	12.0	11.9	12.0	12.0	0

IC2007 (AN6341N)										
1	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	12.0	0
2	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	12.0	0
3	0.1	1.4	8.3	8.3	1.4	1.4	1.4	8.3	1.4	0
4	0	1.8	0	0	1.8	1.8	1.8	0	1.8	0
5	0	0.3	0	0	0.3	0.3	0.3	0	0.3	0
6	0.3	3.0	0.3	0.3	3.0	3.0	3.0	0.3	3.1	0
7	0.9	3.5	0.9	0.9	3.5	3.5	3.5	0.9	3.6	0
8	0	0	0	0	0	0	0	0	0	0
9	4.9	5.1	-	-	5.1	5.1	5.1	4.9	4.9	0
10	4.0	-	-	-	-	5.7	5.7	4.0	5.4	0
11	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	0
12	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	0
13	5.6	5.5	5.6	5.5	5.5	5.5	5.5	5.5	5.5	0
14	0	2.0	-	1.0	0	2.0	0.8	0	0.8	0
15	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0
16	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	0

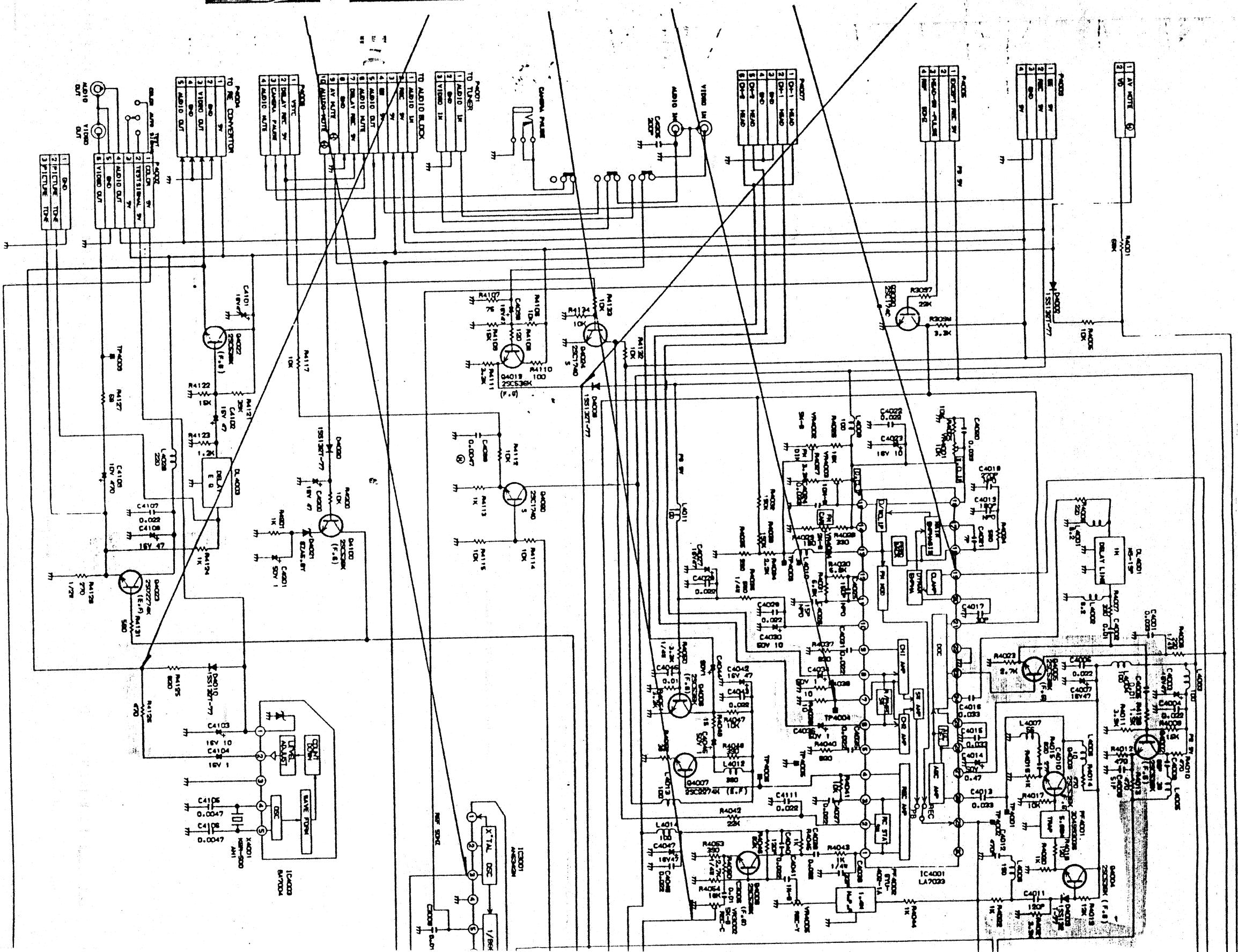
Ref. No.	Part No.	Part Name & Description	Pcs/ Set	Remarks	Ref. No.	Part No.	Part Name & Description	Pcs/ Set	Remarks
C2022	0305-1006	Electrolytic 25V 10 (NP)	1		R4201	0166-1020	1K	1	
C2023	0350-1030	Ceramic 50V 0.01	1		VR4001	0229-1035	RVP6P01-103N	1	
C2024	0302-1000	Electrolytic 16V 10	1		VR4002	0229-5025	Semi-Fixed Ceramic 50V 0.01	1	
C2025	0350-1030	Ceramic 50V 0.01	1		VR4003	0229-1035	RVP6P01-502N	1	
C2028	0305-R330	Electrolytic 50V 0.33	1		VR4004	0229-2025	Semi-Fixed RVP6P01-105N	1	
C2029,2030	0305-1090	Electrolytic 50V 1	2		VR4005	0223-1027	Semi-Fixed RVP6P01-202N	1	
C2031-2035	0320-1870	Mylar 50V 0.018	3		VR4006	0223-5017	Semi-Fixed V8K4-11B1K	1	
C2034,2035	0320-4770	Mylar 50V 0.047	2		VR4007,4008	0223-1037	Semi-Fixed V8K4-11B500	1	
C2036	0302-1010	Electrolytic 16V 100	1				Semi-Fixed V8K4-11B1CK	2	
C2039	0305-1090	Electrolytic 50V 1	1				<u>Capacitors</u>		
C2040	0302-2210	Electrolytic 16V 220	1		C4001	0330-3330	Ceramic 50V 0.033	1	
		LUMINANCE, CHROMINANCE & AUDIO SECTION P.C.BOARD			C4002	0330-1030	Ceramic 50V 0.01	1	
		Chrominance Section			C4003	0302-4700	Electrolytic 16V 47	1	
		<u>Integrated Circuits</u>			C4004	0330-2230	Ceramic 50V 0.022	1	
IC3001	0079-0990	AN6342N	1		C4005	0330-1030	Ceramic 50V 0.01	1	
IC3002	0079-1980	LA7052	1		C4006	0330-2230	Ceramic 50V 0.022	1	
IC3003	0079-0391	BA7007	1		C4007	0302-4700	Electrolytic 16V 47	1	
		<u>Transistors</u>			C4008	0330-6800	Ceramic 50V 68P	1	
Q3001-3003	0020-0870	2SC536K(G,F)	3				TV DEMODULATOR P.C.BOARD		
Q3004	T000-0350	2SA608K(F,G)	1				<u>Integrated Circuits</u>		
Q3005	0020-0870	2SC536K(G,F)	1		IC6002	0079-1340	LA7055	1	
Q3006,3012	T020-0500	2SC1740S	1		IC6003	0073-0160	nPC1391	1	
Q3007-3009	0020-0870	2SC536K(G,F)	2		IC6004	0073-0220	L-5630	1	
Q3010	0020-0870	2DC536K(G,H)	3		IC6005	0079-1920	LA7808	1	
Q3011	0020-0870	2SC536K(G,F)	1		IC6006	0079-1910	LA7912	1	
Q3013-3015	0020-0870	2SC536K(G,F)	3				<u>Transistors</u>		
Q3016,3017	T000-0350	2SA608K(G,F)	2		Q6002	T020-0630	2SC388A	1	
Q3018	T020-0500	2SC1740S	1		Q6003	0020-0876	2SC536K(F)	1	
Q3019	T020-0500	2SC1740S	1		Q6004,6006	0020-0943	2SC950D	2	
Q3020	T020-0500	2SC1740S	1		Q6005	0020-1080	2SC2274	1	
Q3021,3020	T020-0500	2SC1740S	2		Q6007	T030-0392	2SD73A(F,G)	1	
		<u>Diodes</u>			Q6008-6010	0020-0876	2SC536K(F)	1	
D3001-3007	0050-0470	1SS132T-77	7		Q6011	T000-0350	2SA608K(F)	3	
D3008	0050-0470	1SS132T-77	1		Q6012-6014	T010-0292	2SB698(F,G)	3	
		<u>Resistors</u>					<u>Diodes</u>		
R3001	0166-1220	1.2K	1		D6013-6020	0050-0440	1SS120TE	8	
R3002	0166-5640	560K	1		D6026,6027	0050-0440	1SS120TE	2	
R3003	0167-1020	1/4W 1K	1		D6030,6031	0050-0440	1SS120TE	2	
R3004	0166-1020	1K	1		D6024-6211	0063-0170	TLG15A	8	
R3005	0166-1520	1.5K	1		D6216-6223	0050-0440	1SS120TE	8	
R3006	0166-1010	100	1				<u>Resistors</u>		
R3007	0166-1020	1K	1		R6001	0166-2210	220	1	
R3008	0167-1020	1/4W 1K	1		R6002	0166-5620	5.6K	1	
R3009	0166-1230	12K	1		R6003	0166-1020	1K	1	
R3010	0166-1810	180	1		R6004	0166-4710	470	1	
R3011	0166-3320	3.3K	1		R6005	0166-2700	27	1	
R3012	0167-5630	56K	1		R6007	0167-1020	1/4W 1K	1	
R3013,3014	0166-2230	22K	2		R6008	0108-2210	1/2W 220	1	
R3015	0166-6820	6.8K	1		R6009	0167-2230	1/4W 22K	1	
R3016	0166-5620	5.6K	1		R6010	0167-2730	1/4W 27K	1	
R3017	0166-2230	22K	1		R6011	0166-5610	560	1	
R3018	0166-3320	3.3K	1		R6012	0167-1030	1/4W 10K	1	
R3019	0166-2230	22K	1		R6013	0167-4710	470	1	
R3020	0166-3330	33K	1		R6015	0171-1005	1/4W 10	1	
R3021	0167-2740	270K	1		R6016	0166-3320	3.3K	1	
R3022	0166-8210	820	1		R6017	0166-1020	1K	1	
R3023	0166-6810	680	1		R6018	0166-1810	180	1	
R3024	0166-3320	3.3K	1		R6019	0167-3310	330	1	
R3025	0166-1820	1.8K	1		R6020	0166-2710	270	1	
R3026	0166-2220	2.2K	1		R6021	0167-2220	1/4W 2.2K	1	
R4071	0166-1040	100K	1		R6022	0166-1020	1K	1	
R4072	0166-2230	22K	1		R6023	0166-3310	330	1	
R4073	0166-1230	12K	1		R6024	0166-4720	4.7K	1	
R4074	0166-1030	10K	1		R6025	0166-2710	270	1	
R4075	0166-4710	470	1		R6026	0166-3910	390	1	
R4076	0167-4710	470	1		R6027	0171-1005	Fuse 1/4W 10	1	
R4087	0166-1010	100	1		R6028	0167-1030	1/4W 10K	1	
R4088	0166-6810	680	1		R6029	0166-4730	47K	1	
R4089	0166-8220	8.2K	1		R6030	0167-5620	1/4W 5.6K	1	
R4090	0167-1550	1.5M	1		R6031	0167-3320	1/4W 3.3K	1	
R4091	0166-1030	10K	1		R6032	0166-5510	550	1	
R4092,4093	0166-2230	22K	2		R6033	0166-2730	27K	1	
R4094	0166-1840	180K	1		R6034	0166-3210	320	1	
R4095	0166-3940	390K	1		R6035	0166-2230	22K	1	
R4096-4098	0166-3920	3.9K	3		R6036	0166-1550	155	1	
R4106	0166-1030	10K	1		R6037	0167-2720	1/4W 3.3K	1	
R4107	0166-7500	75	1		R6038	0167-1820	1/4W 1.3K	1	
R4108	0166-1210	120	1		R6039	0171-1005	Fuse 1/4W 10	1	
R4109	0166-1530	15K	1		R6040	0108-1810	1/2W 180	1	
R4110	0166-1010	100	1		R6041	0166-5300	68	1	
R4111	0166-3320	3.3K	1		R6042	0167-1220	1/4W 1.3K	1	
R4112	0166-1030	10K	1		R6043	0166-1010	100	1	
R4113	0166-1020	1K	1		R6044,6045	0166-1030	10K	2	
R4114,4115	0166-1030	10K	2		R6046	0166-3640	560K	1	
R4117	0166-1030	10K	1		R6047,6048	0166-3330	35K	2	
R4121	0166-3930	39K	1		R6049	0167-2220	1/4W 2.2K	1	
R4122	0166-1530	15K	1		R6050	0120-1825	2W 1.3K	1	
R4123	0166-1120	1.2K	1		R6051	0167-6810	680	1	
R4124	0166-1020	1K	1		R6052	0166-3910	390	1	
R4125	0166-8210	820	1		R6053	0167-1020	1/4W 1K	2	
R4126	0166-4710	470	1		R6054	0166-1540	150K	1	
R4127	0166-6800	68	1		R6055	0166-1030	10K	3	
R4128	0108-2710	270	1		R6056	0167-3320	3.3K	1	
R4131	0166-5610	560	1						
R4132-4134	0166-1030	10K	3						
R4138	0166-1520	1.5K	1						
R4141	0166-3940	390K	1						
R4200	0166-1030	10K	1						

2-36

Ref. No.	Part No.	Part Name & Description	Pcs/ Set	Remarks	Ref. No.	Part No.	Part Name & Description	Pcs/ Set	Remarks
	158940512	Power Supply P.C. Board Assembly 13VPO0001C	1		R1064,1085	0167-1020	1/4W	1K	2
	158940493	System Control, Servo Control Section P.C. Board Assembly 13VC0001E	1		R1086-1088	0166-1020	1K		3
	158941072	Luminance, Chrominance and Audio Section P.C. Board Assembly 13VW0002 D	1		R1089	0167-5610	1/4W	560	1
	158940521	Timer P.C. Board Assembly 13VE0010B	1		R1090	0167-1530	1/4W	15K	1
	158940561	TV Demodulator P.C. Board Assembly 13VDC0168 13VDC017B 13VED0188	1		<u>Capacitors</u>				
	158940541	Front Operation P.C. Board Assembly 13VC0002B/13VC0003B	1		C1001	0302-1023	Electrolytic	ECEA1CSS102	1
	158940551				C1002	0302-1070	Mylar	50V 0.01	1
	158940470	Photo Sensor Section P.C. Board assembly 13VDD004A	1		C1003,1004	0305-2210	Electrolytic	50V 220	2
	158940450	Reel Sensor P.C. Board Assembly 13VED0021	1		C1005	0305-2820	-Electrolytic	50V 2.2	1
	151243550	Output Jack P.C. Board Assembly OP-1353	1		C1006	0330-1030	Ceramic	50V 0.01	1
	158940550	Remote Jack P.C. Board Assembly 13VDD009A	1		C1007	0305-1090	Electrolytic	50V	1
		SYSTEM CONTROL, SERVO CONTROL SECTION P.C. BOARD			C1008,1009	0330-1030	Ceramic	50V 0.01	2
		System Control			<u>Transistors</u>				
		<u>Integrated Circuits</u>			D2026	0050-0470	2SD1348		1
IC1001	0079-1710	OEC0002	1		D2027	020-0198	2SC2451M		1
IC1002	0079-1830	TD6210SP	1		<u>Diodes</u>				
IC1003	0079-1530	AP453C	1		D2001	0050-0300	CA101-04BT		1
IC1004	0079-1840	STA401A	1		D2003-2006	0050-0300	CA101-04BT		1
IC1005	0079-1800	HD14013BP	1		D2008-2011	0050-0300	CA101-04BT		1
<u>Transistors</u>					D2016,2017	0050-0300	CA101-04BT		2
Q1001	T000-0145	2SA733AT	1		D2018	0054-0650	2ZS7.1J3(1)		1
Q1002-1007	T020-0198	2SC945AT	6		D2019	0050-0300	CA101-04BT		1
Q1008-1012	T000-0145	2SA733AT	5		D2021-2028	0050-0300	CA101-04BT		9
Q1013	T000-0460	2SA1246-AA	1		D2030-2033	0050-0300	CA101-04BT		4
Q1014	T020-0198	2SC945AT	1		D2045	0050-0310	GMA-01		1
Q1015	T000-0145	2SA733AT	1		D2046,2047	0050-0300	GMA01-04 BT		3
Q1016,1017	0010-0300	2SEB92-WB	2		<u>Resistors</u>				
Q1018	0010-0310	2SB598-AA	1		R2001	0166-2720		2.7K	1
Q1019	T020-0198	2SC945AT	1		R2002	0166-1520		1.5K	1
Q1020	0000-0440	2SA984K-AA	1		R2003	0166-2250		22K	1
Q1021,1022	T020-0198	2SC945AT	2		R2004	0166-5620		5.6K	1
Q1023	T000-0145	2SA733AT	1		R2005	0166-1040		100K	1
<u>Diodes</u>					R2006	0166-8220		8.2K	1
D1001-1009	0050-0300	CMA01-04 BT	9		R2007	0166-2240		220K	1
D1011-1020	0050-0300	CMA01-04 BT	10		R2008	0166-3740		350K	1
D1023	0050-0300	CMA01-04 BT	1		R2009	0166-8220		8.2K	1
<u>Resistors</u>					R2010	0166-4710		470	1
R1001	0166-1050		1K		R2011	0166-2730		27K	1
R1005	0166-5620		5.6K		R2012	0166-1530		15K	1
R1006	0166-5610		560		R2013	0166-5610		560	1
R1007	0166-1030		10K		R2014	0166-1520		1.5K	1
R1008	0166-2230		22K		R2017	0166-1040		100K	1
R1009,1010	0166-1030		10K		R2018	0166-1050		10K	1
R1011	0166-4720		4.7K		R2019	0166-1050		1M	1
R1012	0166-2240		220K		R2020	0166-1240		120K	1
R1016	0166-2220		2.2K		R2021	0166-3320		3.3	1
R1033,1034	0166-2230		22K		R2022	0166-2730		27K	1
R1035	0166-1030		10K		R2023	0166-1010		100	1
R1036	0167-3330		1/4W		R2024	0166-3320		3.3K	1
R1037,1038	0166-1030		33K		R2025	0166-1840		180K	1
R1039	0167-5610		10K		R2026	0166-5620		5.6K	1
R1040	0166-1520		560		R2029	0167-3320		1/4W	3.3K
R1042	0166-4710		1.5K		R2030	0166-4730		47K	1
R1043	0166-1820		470		R2031	0166-1240		120K	1
R1044	0166-1030		1.8K		R2032,2033	0166-1050		1M	2
R1045-1047	0166-1530		10K		R2022	0166-2210		220	1
R1048	0167-3320		15K		R2203	0166-5610		560	1
R1051,1052	0166-1030		3.3K		<u>Semi-Fixed</u>				
R1054	0166-2230		10K		R2204	0223-1047	EVN52J400B1/100K		1
R1056,1057	0166-1030		22K		R2205	0225-5036	Semi-Fixed	EV6KV3-3SB50K	1
R1058,1059	0166-4720		10K		R22010-2012	0223-1047	EVN52J400B1/100K		5
R1060,1061	0167-4720		4.7K		R22013	0225-2056	Semi-Fixed	EV6KV3-3SB20K	1
R1062,1063	0121-3905		1/4W		R22014	0201-1041	Volume	EVJ-ENAE4A825	1
R1066	0121-6805	Metal Oxide	2W		R22015	0223-1047	Semi-Fixed	EVN52J400B1/100K	1
R1067	0166-1030	Metal Oxide	2W		R22021	0201-1040	Volume	EVJ-ENAE4A814	1
R1068	0167-4740		10K		<u>Capacitors</u>				
R1069	0167-1030		470K		C2001	0320-2270	Mylar	50V 0.022	1
R1070	0166-4730		10K		C2002	0302-4700	Electrolytic	16V 47	1
R1071	0166-2220		47K		C2003	0350-1030	Ceramic	50V 0.01	1
R1072	0166-2230		2.2K		C2004	0305-1090	Electrolytic	50V 1	1
R1073-1075	0166-1530		22K		C2005	0320-4760	Mylar	50V 0.0047	1
R1076	0166-1030		15K		C2006	0320-1080	Electrolytic	50V 0.1	1
R1077,1078	0166-2230		10K		C2007	0320-2770	Mylar	50V 0.027	1
R1079	0166-2220		22K		C2009	0305-R350	Electrolytic	50V 0.35	1
			2.2K	1	C2010	0350-5620	Ceramic	50V 0.0056	1
					C2011	0350-1030	Ceramic	50V 0.01	1
					C2012	0302-1010	Electrolytic	16V 100	1
					C2013	0305-R100	Electrolytic	50V 0.1	1
					C2014	0302-1000	Electrolytic	16V 10	1
					C2015	0302-4700	Electrolytic	16V 47	1
					C2016	0320-4760	Mylar	50V 0.0047	1
					C2017	0320-1070	Mylar	50V 0.01	1
					C2018	0520-1570	Mylar	50V 0.015	1
					C2019	0320-3570	Mylar	50V 0.035	1
					C2020	0320-1070	Mylar	50V 0.01	1
					C2021	0320-2260	Mylar	50V 0.0022	1

Ref. No.	Part No.	Part Name & Description	Pcs/ Set	Remarks
R6071	0166-1020		1K	1
R6072	0166-4720		4.7K	1
R6073	0166-1530		15K	1
R6076	0166-5630		56K	1
R6077	0167-1530	1/4W	15K	1
R6078	0166-3310		330	1
R6079	0166-1840		180K	1
R6080	0166-1230		12K	1
R6081, 6082	0166-4720		4.7K	2
R6083	0166-8230		82K	1
R6086	0166-4720		4.7K	1
R6087	0166-8230		82K	1
R6088	0166-1040		100K	1
R6089	0167-8210	1/4W	820	1
R6090	0166-4720		4.7K	1
R6091	0166-3340		330K	1
VR6001-6008	0272-1060	Potention Meter	EOPPMBAD	1
VR6013	0223-5027	Semi-Fixed	EVN52JA00B53/5K	1
VR6014	0223-2027	Semi-Fixed	EVN52JA00B23/2K	1
VR6015	0223-3027	Semi -Fixed	EVN52JA00B53/3K	1
VR6016	0223-2027	Semi-Fixed	EVN52JA00B23/2K	1
		<u>Capacitors</u>		
C5001	0330-1050	Ceramic	50V	0.01
C5002	0330-2232	Ceramic	25V	0.022
C5004, 5005	0330-1050	Ceramic	50V	0.01
C5006	0330-1020	Ceramic	50V	0.001
C5007	0330-1050	Ceramic	50V	0.01
C5008	0302-1000	Electrolytic	16V	10
C5009, 5010	0330-1050	Ceramic	50V	0.01
C5012	0305-1090	Electrolytic	50V	1
C5013	0330-2230	Ceramic	50V	0.022
C5014	0302-1010	Electrolytic	16V	100
C5017	0334-3206	Ceramic	50V	82P(NPO)
C5018	0330-1050	Ceramic	50V	0.01
C5019	0302-4700	Electrolytic	16V	47
C5020, S021	0330-2000	Ceramic	50V	20P
C5022	0330-4730	Ceramic	50V	0.047
C5023	0330-1050	Ceramic	50V	0.01
C5024	0320-4770	Mylar	50V	0.047
C5025	0302-1000	Electrolytic	16V	10
C5026	0330-2200	Ceramic	50V	22P
C5027	0330-2230	Ceramic	50V	0.022
C5028	0302-1010	Electrolytic	16V	100
C5029	0330-3200	Ceramic	50V	82P
C5030	0302-1000	Electrolytic	16V	10
C5031	0334-3906	Ceramic	50V	39P(NPO)
C5032	0302-4700	Electrolytic	16V	47
C5033	0320-1060	Mylar	50V	0.001
C6054	0301-1020	Electrolytic	10V	1000
C6055	0302-2210	Electrolytic	16V	220
C6056	0330-1030	Ceramic	50V	0.01
C6057	0330-5610	Ceramic	50V	560P
C6058	0302-2826	Electrolytic	16V	2.2 (NP)
C6059	0320-4770	Mylar	50V	0.047
C6040	0302-1010	Electrolytic	16V	100
C6041	0330-1030	Ceramic	50V	0.01
C6042	0305-1090	Electrolytic	50V	1
C6043	0330-1030	Ceramic	50V	0.01
C6050	0330-1030	Ceramic	50V	0.01
C6051	0302-1010	Electrolytic	16V	100
C6052	0305-1090	Electrolytic	50V	1
C6053	0320-1070	Mylar	50V	0.01
C6054	0320-1060	Mylar	50V	0.001
C6055	0320-1070	Mylar	50V	0.01
C6056	0330-5620	Ceramic	50V	0.0056
C6057	0330-1020	Ceramic	50V	0.001
C6058	0305-4R70	Electrolytic	50V	4.7
C6059	0320-1060	Mylar	50V	0.001
C6060	0305-R470	Electrolytic	50V	0.47
C6101	0305-4R70	Electrolytic	50V	4.7
C6102	0330-1030	Ceramic	50V	0.01
C6103	0305-4R70	Electrolytic	50V	4.7
C6104	0302-4700	Electrolytic	16V	47
C6105	0330-1030	Ceramic	50V	0.01
C6106	0305-4R70	Electrolytic	50V	4.7
C6107-6109	0330-1030	Ceramic	50V	0.01
C6120	0305-R470	Electrolytic	50V	0.47
	<u>Coils</u>			
L6002	0632-1358		1uH	1
L6003	0632-1408		1.5uH	1
L6004	0632-1358		15uH	1
L6005, 5006	0632-1258		22uH	2
	<u>Transformers</u>			
T6001	0602-2750	16084SU		1
T6002	0602-2813	16091MM		1
T6003	0602-2823	16092MM		1
	<u>Switch</u>			
SW6001-6008	0704-7040	Tact	SZ1005-081Q	1
SW6009	0770-0500	AFC	ESE-153A	1
	<u>Filters</u>			
CF6001	0390-0029	Ceramic Trap	EFCSS5R5MM3	1
CF6002	0390-0052	Ceramic Filter	EFCSS5R5MM3	1
CF6003	0390-0064	Discriminator	CDA5R5MM19	1
SP6001	0390-0114	SAW Filter	TSF1303C	1
-	0440-0180	Tuner	VTS-1C2	1
-	0442-0010	RF Converter	ENC-17576	1
-	0441-0020	ANT Booster	ENP-E730-1	1

# LUMINANCE/CHROMINANCE SCHEMATIC DIAGRAM



A

B

C

D

E

F

# ROMINANCE SCHEMATIC DIAGRAM

C      D      E      F      G      H

